elektronski potpis projektanta	elektronski potpis revidenta

INVESTITOR[1]	JU OŠ „RADOMIR MITROVIĆ“, BERANE
OBJEKAT[2]	ADAPTACIJE ŠKOLE RADOMIR MITROVIĆ, BERANE
LOKACIJA[3]	KAT.PAR.BR. 739/2 KO BERANE, OPŠTINA BERANE
DIO TEHNIČKE DOKUMENTACIJE[4]	PROJEKAT ADAPTACIJE TERMOTEHNIČKIH INSTALACIJA
PROJEKTANT[5]	“MAŠINAC” D.O.O. PODGORICA
ODGOVORNO LICE[6]	Marko Despotović, spec.sci.maš
ODGOVORNI INŽENJER[7]	Marko Despotović, spec.sci.maš
SARADNICI NA PROJEKTU[8]	Nemanja Šćepanović spec.sci.maš

1. Naziv/ime investitora;
2. Naziv projektovanog objekta;
3. Mjesto građenja, planski dokument, urbanistička parcela, katastarska parcela;
4. Arhitektonski projekat, građevinski projekat, elektrotehnički projekat odnosno mašinski projekat (ako je u pitanju naslovna strana dijela tehničke dokumentacije);
5. Naziv privrednog društva, pravnog lica odnosno preduzetnika koji je izradio dio tehničke dokumentacije;
6. Ime odgovornog lica u privrednom društvu, pravnom licu odnosno ime i prezime preduzetnika;
7. Ime i prezime glavnog inženjera;
8. Ime i prezime saradnika na izradi dijela tehničke dokumentacije.

SADRŽAJ DIJELA TEHNIČKE DOKUMENTACIJE

1. OPŠTA DOKUEMNTACIJA

1.1. Izvod iz Centralnog registra privrednih subjekata za privredno društvo koje je izradilo projekat;

1.2. Licenca privrednog društva za izradu dijela tehničke dokumentacije;

1.3. Potvrda o članstvu u Inženjerskoj komori Crne Gore

1.4. Rješenje o određivanju odgovornog projektanta;

1.5. Licenca za odgovornog projektanta;

1.6. Polisa osiguranja od odgovornosti;

1.7. Izjava odgovornog projektanta da je tehnička dokumentacija urađena u skladu sa propisima.

2. TEKSTUALNA DOKUMENTACIJA

2.1. Tehnički opis
2.2. Tehnički uslovi za izvođenje radova
2.3. Program kontrole i osiguranja kvaliteta sa uslovima za ispunjavanje osnovnih zahtjeva za objekat tokom građenja i održavanja objekta
2.4. Uputstvo za upravljanje sa građevinskim otpadom, odnosno opasnim otpadom koji nastaje tokom građenja, korišćenja odnosno uklanjanja objekta

3. NUMERIČKA DOKUMENTACIJA

3.1. Toplotni proračun
3.2. Proračun grejnih tijela
3.3. Softverski proračun pada pritiska u cjevovodu
3.4. Odabir cirkulacionih pumpi
3.5. Specifikacija opreme i radova
3.6. Predmjer i predračun radova

4. GRAFIČKA DOKUMENTACIJA

4.1.	Osnova prizemlja/suterena sa rasporedom opreme	1:100
4.2.	Osnova prvog sprata sa rasporedom opreme	1:100
4.3.	Osnova drugog sprata sa rasporedom opreme	1:100
4.4.	Osnova trećeg sprata sa rasporedom opreme	1:100
4.5.	Šeme usponskih vodova grana 1-1	-.-
4.6.	Šeme usponskih vodova grana 1-2	-.-
4.7.	Šeme usponskih vodova grana 2-1	-.-

4.8. Šeme usponskih vodova grana 2-2 -.-
4.9. Šeme usponskih vodova grana 2-3 -.-

OPŠTA DOKUMENTACIJA

IZVOD IZ CENTRALNOG REGISTRA PRIVREDNIH SUBJEKATA PORESKE UPRAVE

Registarski broj 5 - 1213107 / 001 Datum registracije: 20.02.2024.

PIB/Carinski broj: 03638111

DRUŠTVO SA OGRANIČENOM ODGOVORNOŠĆU "MAŠINAC" PODGORICA

Broj važeće registracije: /001

Skraćeni naziv:	MAŠINAC DOO
Telefon:	+38268298238
eMail:	masinactt@gmail.com
Web adresa:	
Datum zaključivanja ugovora:	16.02.2024.
Datum donošenja Statuta:	16.02.2024.
Adresa glavnog mjesta poslovanja:	ULICA 5 KUĆA BR. 8, DONJI KOKOTI PODGORICA
Adresa za prijem službene pošte:	ULICA 5 KUĆA BR. 8, DONJI KOKOTI PODGORICA
Adresa sjedišta:	ULICA 5 KUĆA BR. 8, DONJI KOKOTI PODGORICA
Pretežna djelatnost:	7112 Inženjerske djelatnosti i tehnicko savjetovanje
Obavljanje spoljno-trgovinskog poslovanja:	DA
Oblik svojine:	Privatna
Porijeklo kapitala:	Domaći
Upisani kapital:	1,00Euro (Novčani 1,00Euro, nenovčani 0,00Euro)

OSNIVAČI:

MARKO DESPOTOVIĆ 2702993290027 CRNA GORA

Uloga: Osnivač

Udio: 100% Adresa: ULICA 5 KUĆA BR. 8, DONJI KOKOTI PODGORICA CRNA GORA

LICA U DRUŠTVU:

MARKO DESPOTOVIĆ 2702993290027 CRNA GORA

Adresa: ULICA 5 KUĆA BR. 8, DONJI KOKOTI PODGORICA CRNA GORA
Uloga: Izvršni direktor
Ovlašćenja u prometu: Neograničeno ( )
Ovlašćen da djeluje: POJEDINAČNO ( )

Izdato: 09.09.2024 godine u 10:25h **MP** **Podgorica**

Načelnica
Sanja Bojanić

Crna Gora
Ministarstvo prostornog planiranja,
urbanizma i državne imovine

Adresa: IV proleterske brigade broj 19
81000 Podgorica, Crna Gora
tel: +382 20 446 200
fax: +382 20 446 215

Broj: UPI 16-332/24-304/2

Podgorica, 18.03.2024.godine

DOO "MAŠINAC"

PODGORICA
Donji Kokoti, ul.5 kuća 8

U prilogu ovog akta, dostavljamo vam rješenje, broj i datum gornji.

MINISTAR

Janko Odović

Crna Gora
Ministarstvo prostornog planiranja, urbanizma i državne imovine

Adresa: IV proleterske brigade broj 19
81000 Podgorica, Crna Gora
tel: +382 20 446 200
fax: +382 20 446 215

Broj: UPI 16-332/24-304/2

Podgorica, 18.03.2024. godine

Ministarstvo prostornog planiranja, urbanizma i državne imovine, postupajući po zahtjevu privrednog društva DOO "MAŠINAC" PODGORICA broj UPI 16-332/24-304/1 od 06.03.2024. godine, za izdavanje licence za projektanta i izvođača radova, na osnovu člana 135 Zakona o planiranju prostora i izgradnji objekata ("Službeni list CG", br. 64/17, 44/18, 63/18, 11/19, 82/20 i 04/23), člana 13 Uredbe o organizaciji i načinu rada državne uprave ("Službeni list CG", br. 098/23 i 102/23) i čl. 18 i 46 stav 1 Zakona o upravnom postupku ("Službeni list CG", br. 56/14, 20/15, 40/16 i 37/17), donijelo je

R J E Š E NJ E

Privrednom društvu DOO **"MAŠINAC" PODGORICA** izdaje se

LICENCA

projektanta i izvođača radova

na period od **pet godina.**

O b r a z l o ž e nj e

Aktom broj UPI 16-332/24-304/1 od 06.03.2024. godine, ovom Ministarstvu obratilo se privredno društvo DOO "MAŠINAC" PODGORICA pretežna djelatnost – 7112 – Inženjerske djelatnosti i tehničko savjetovanje, zahtjevom za izdavanje licence za projektanta i izvođača radova. Uz zahtjev, privredno društvo je priložilo sljedeće dokaze:

1) rješenje broj UPI 072/7-187/2 od 20.03.2020.godine, kojim je **Marku Despotoviću, diplomirani mašinski inženjer – stepen specijaliste, spec.sci. mašinstvo,** izdata licenca ovlašćenog inženjera za obavljanje djelatnosti izrade tehničke dokumentacije i građenje objekta, donijeto od strane Ministarstva održivog razvoja i turizma;
2) ugovor o radu sa Markom Despotovićem od 20.02.2024. godine na neodređeno vrijeme;
3) izvod iz Centralnog registra privrednih subjekata, registarski broj 5 - 1213107 / 001.

Ministarstvo prostornog planiranja, urbanizma i državne imovine, razmotrilo je podnijeti zahtjev sa priloženom dokumentacijom i odlučilo kao u dispozitivu rješenja a ovo iz sljedećih razloga:

Odredbom člana 122 stav 1 Zakona o planiranju prostora i izgradnji objekata propisano je, u bitnom, da je privredno društvo koje izrađuje tehničku dokumentaciju (projektant), odnosno privredno društvo koje gradi objekat (izvođač radova), dužno da za obavljanje djelatnosti izrade tehničke dokumentacije, dijela tehničke dokumentacije odnosno građenje ili izvođenje pojedinih vrsta radova na građenju objekata, ima najmanje jednog zaposlenog ovlašćenog inženjera po vrsti projekta koji izrađuje i to za: arhitektonski, građevinski, elektrotehnički i mašinski projekat, odnosno vrsti radova koje izvodi na osnovu tih projekata. Stavom 2 prethodno navedenog člana propisano je da obavljanje pojedinih poslova iz prethodnog stava projektant, odnosno izvođač radova može da obezbijedi na osnovu zaključenog ugovora sa drugim privrednim društvom koje ima zaposlenog ovlašćenog inženjera za određenu vrstu projekta odnosno radova.

Dalje, članom 137 stav 2 prethodno navedenog zakona propisuje se da se licenca za privredno društvo izdaje za period od pet godina.

Prema članu 5 Pravilnika o načinu i postupku izdavanja, mirovanja licence i načinu vođenja registra licenci ("Službeni list CG", br. 79/17, 78/21 i 102/21), propisano je da se u postupku izdavanja licence projektanta i izvođača radova provjerava: 1) da li podnosilac zahtjeva u radnom odnosu ima zaposlenog ovlašćenog inženjera; i 2) licenca ovlašćenog inženjera.

Odredbom člana 136 stav 4 Zakona o planiranju prostora i izgradnji objekta propisano je da je imalac licence dužan da obavijesti ministarstvo o svim promjenama uslova na osnovu kojih je izdata licenca za obavljanje djelatnosti, u roku od 15 dana od dana nastanka promjene.

Postupajući po predmetnom zahtjevu, ministarstvo je, na osnovu raspoloživih dokaza, utvrdilo da su ispunjeni uslovi propisani zakonom i pravilnikom, i odlučilo kao u dispozitivu rješenja.

UPUTSTVO O PRAVNOJ ZAŠTITI: Protiv ovog rješenja može se pokrenuti upravni spor tužbom kod Upravnog suda, u roku od 20 dana od dana prijema istog.

MINISTAR

Janko Odović

INŽENJERSKA KOMORA CRNE GORE

Broj:05-5278

Podgorica, 31.12.2024. godine

Na osnovu čl. 143, čl. 146 stav 1 tačka 2 i čl. 149 stav 1 tačka 1
Zakona o planiranju prostora i izgradnji objekata
(„Službeni list Crne Gore“, br. 64/17, 44/18, 63/18, 11/19, 82/20, 86/22, 004/23)
i evidencije Registra članova Inženjerske komore Crne Gore, izdaje se

POTVRDA

o članstvu u Inženjerskoj komori Crne Gore

MARKO M. DESPOTOVIĆ, Spec.Sci mašinstva, prebivalište PODGORICA,
član je Inženjerske komore Crne Gore do 31.12.2025. godine.

Reg.br. 5466

OVLAŠĆENO SLUŽBENO LICE
Ljiljana Vujić, dipl.pravnica

INŽENJERSKA KOMORA CRNE GORE
PODGORICA

Crna Gora
Ministarstvo održivog razvoja i turizma
Direktorat za inspekcijski nadzor i licenciranje
Direkcija za licence, registar i drugostepeni post

Adresa: IV proleterske brigade broj 19
81000 Podgorica, Crna Gora
tel: +382 20 446 279
fax: +382 20 446 215
www.mrt.gov.me

Broj: UPI 072/7-187/2
Podgorica, 20.03.2020. godine

DESPOTOVIĆ MARKO

Ulica 4.Jula
PODGORICA

U prilogu ovog rješenja, dostavlja Vam se rješenje, broj i datum gornji.

OVLAŠĆENO SLUŽBENO LICE

Nataša Pavićević

Dostavljeno:
-Naslovu:
-a/a.

MAŠINAC

Na osnovu Zakona o planiranju prostora i izgradnji objekata ("Sl.list CG" br.064/17) I Pravilnika o načinu izrade i sadržini tehničke dokumentacije ("Sl.list RCG", br.044/18 I br.043/19), " Klasa" d.o.o. iz Budve donosi:

R J E Š E NJ E

o imenovanju odgovornog inženjera za izradu dijela tehničke dokumentacije

INVESTITOR:	JU OŠ „RADOMIR MITROVIĆ“, BERANE
OBJEKAT:	ADAPTACIJE ŠKOLE RADOMIR MITROVIĆ, BERANE
LOKACIJA:	KAT.PAR.BR. 739/2 KO BERANE, OPŠTINA BERANE
VRSTA I DIO TEHNIČKE DOKUMENTACIJE:	PROJEKAT ADAPTACIJE TERMOTEHNIČKIH INSTALACIJA

MAŠINSKE ISTALACIJE

ODGOVORNI INŽENJER KOJI RUKOVODI IZRADOM DIJELA TEHNIČKE DOKUMENTACIJE je:

ODGOVORNI INŽENJER: Despotović Marko, dipl.inž.maš

Imenovani odgovorni inženjer koji rukovodi izradom tehničke dokumentacije ispunjava uslove u pogledu stručne spreme i radnog iskustva, propisane Zakonom o planiranju prostora i izgradnji objekata ("Sl.list CG" br.064/17) i Pravilnika o načinu izrade i sadržini tehničke dokumentacije ("Sl.list RCG", br.044/18 i br. 043/19).

Podgorica, Mart 2025. god.

(mjesto i datum)

(potpis odgovornog lica)

D.O.O MAŠINAC PODGORICA

Ulica 5 kuća br. 8, Donji Kokoti, Podgorica
+382 (0) 68 298-238
masinactt@gmail.com

PIB: 03638111 **PDV:** 30/31-27190-7
Žiro račun: 520-49371-81
ME25520042000001534746

SAVA OSIGURANJE

OBNOVA / ZAMENA POLISE:	
Tip obnove:	Novo
Broj ponude:	PON-011175/24

POLISA - RAČUN POL-00249094

Zastupnik:	Bušković Nemanja, 81-190		
Ugovarač			
Naziv	MAŠINAC DOO	MB	03638111
Adresa	ULICA 5 KUĆA BR. 8, DONJI KOKOTI /, 81000 PODGORICA_GRAD, Crna Gora	Telefon	0038268298238
Trajanje:	Godišnje osiguranje		
Period osiguranja	29.03.2024 (24:00) - 29.03.2025 (24:00)	Period obračuna	29.03.2024. - 29.03.2025

Predmet osiguranja: Profesionalna odgovornost projektanata: Osiguranje pokriva odštetne zahtjeve naručioca usluga ili trećih lica, uključujući i direktne finansijske gubitke/štete, koji su posljedica stručne greške osiguranika koji posjeduje licencu projektanta i izvođača radova izdatu od strane Ministarstva održivog razvoja i turizma broj UPI 16-332/24-304/2, pri obavljanju djelatnosti izrade projektne(tehničke) dokumentacije, a za koje osiguranik odgovara na osnovu zakona u skladu sa uslovima osiguranja.
Vrsta projektovanja:MAŠINSKE INSTALACIJE
Planirani godišnji prihod 20.000

Vrsta osiguranja:	Osiguranje od projektantske odgovornosti	Šifra:	1310
Osiguranik			
Naziv	MAŠINAC DOO	MB	03638111
Adresa	ULICA 5 KUĆA BR. 8, DONJI KOKOTI /, 81000 PODGORICA_GRAD, Crna Gora	Telefon	0038268298238

Suma osiguranja

Uloga	Način ugovaranja	Iznos
Jedinstvena suma osiguranja	Na sumu osiguranja	100.000,00

Franšiza

Franšiza	Odbitna franšiza iznosi 10% od priznate štete ali najmanje 500 EUR

Obračun za predmet

Premija	270,00
Popust za jednokratno plaćanje premije	-27,00
Komercijalni popust	-24,30
Ukupna premija bez poreza	218,70
Porez na premiju	19,68
Ukupna premija sa porezom	238,38

Osiguravajuće pokriće važi za područje Crne Gore

Osiguranje je zaključeno bez garantnog roka

Osiguranje je zaključeno u skladu sa Opštim usłovima za osiguranje odgovornosti projektanata koji su usvojeni 24.05.2018.god. (OU-ODPRK-05/18) i koji su sastavni dio ugovora o osiguranju.

Osiguranje je zaključeno u skladu sa Klauzulom za isključenje odgovornosti u slučaju pandemije koja je usvojena dana 23.02.2021. godine (KL-ISKPAND-02/21) i koja je sastavni dio polise osiguranja.

Ugovarač osiguranja svojim potpisom potvrđuje da mu je blagovremeno, prije zaključenja ugovora, uručen Predugovorni dokument sa ključnim informacijama o proizvodu (KI ODG_PROJ 01/24).
Ugovarač osiguranja u svakom trenutku može preuzeti elektronsku kopiju Predugovornog dokumenta sa kljucnim informacija na sajtu drustva (https://www.sava.co.me/me-me/dokumenti).

Ukupna isplata odšteta za sve osigurane slučajeve koji se dese u jednoj godini limitirana je iznosom sume osiguranja (godišnji agregat)

UKUPAN OBRAČUN	
Ukupna premija bez poreza	218,70
Porez na premiju	19,68
Ukupna premija sa porezom	238,38
Način plaćanja	U cjelosti

Akcionarsko društvo Sava osiguranje. Adresa sjedišta: ul. Svetlane Kane Radević br.1. 81000 Podgorica, Crna Gora; E-mail: info@sava.co.me; Website: www.sava.co.me
Call centar: +382 (0) 20 40 30 20 Žiro račun: Nlb banka 530-12245-41, Erste banka 540-394-30, Hipotekarna banka 520-528105-61
PDV: 30/31-04077-8 M.B. 02303388 CRPS reg. br. 40004670

Sve međusobne nesporazume stranke će rješavati mirnim putem, a u slučaju spora ugovaraju nadležnost suda u Podgorici.

Ugovorne strane su saglasne da ukoliko osiguranik ostvari pravo na naknadu štete, osiguravač ima pravo da dug po toj ili nekoj drugoj polisi odbije od iznosa obračunate štete.

Polisa se smatra računom. Oslobođeni plaćanja PDV-a po članu 27. zakona o PDV-u. Osiguravač zadržava pravo ispravke računske ili neke druge greške učinjene od strane zastupnika. Obaveza osiguravača iz ugovora o osiguranju počinje po isteku 24-og časa dana koji je u ugovoru o osiguranju naveden kao početak osiguranja, ali nikako prije isteka 24-og časa dana kada je Ugovarač osiguranja uplatio ugovorenu premiju u cjelosti ili prvu ratu premije osiguranja, a prestaje 24-og časa onog dana koji je u ugovoru označen kao istek osiguranja.

Na međusobne odnose ugovarača osiguranja/osiguranika i osiguravača koji nijesu definisani ugovorom o osiguranju primjenjuju su odredbe Zakona o obligacionim odnosima.

Potpisom polise ugovarač osiguranja potvrđuje da je primio Uslove zaključenog osiguranja.

Sankcijska klauzula: Osiguravač nije dužan pružiti pokriće, platiti nijednu štetu, niti dati bilo kakvu naknadu, ukoliko bi pružanje takvog pokrića, plaćanje štete ili davanje naknade izložilo osiguravača bilo kakvim sankcijama, zabranama ili ograničenjima po rezolucijama Ujedinjenih nacija ili trgovinskim i/ili ekonomskim sankcijama, zakonima i direktivama bilo koje jurisdikcije koja se primjenjuje na osiguravača.

Polisa je važeća bez pečata Osiguravača.

Ugovarač osiguranja je dužan da plati premiju u cjelosti prilikom zaključenja ugovora o osiguranju.

Osiguravač:

M.P.

Ugovarač osiguranja:
(puno ime i prezime)

Podružnica Podgorica, Podružnica Podgorica, 29.03.2024

POLISA: POL-00249094

Akcionarsko društvo Sava osiguranje. Adresa sjedišta: ul. Svetlane Kane Radević br.1. 81000 Podgorica, Crna Gora; E-mail: info@sava.co.me; Website: www.sava.co.me
Call centar: +382 (0) 20 40 30 20 Žiro račun: Nlb banka 530-12245-41, Erste banka 540-394-30, Hipotekarna banka 520-528105-61
PDV: 30/31-04077-8 M.B. 02303388 CRPS reg. br. 40004670

MAŠINAC

IZJAVA ODGOVORNOG INŽENJERA DA JE TEHNIČKA DOKUMENTACIJA IZRAĐENA U SKLADU SA VAŽEĆIM PROPISIMA

OBJEKAT:	ADAPTACIJE ŠKOLE RADOMIR MITROVIĆ, BERANE
LOKACIJA:	KAT.PAR.BR. 739/2 KO BERANE, OPŠTINA BERANE
VRSTA I DIO TEHNIČKE DOKUMENTACIJE:	PROJEKAT ADAPTACIJE TERMOTEHNIČKIH INSTALACIJA

MAŠINSKE ISTALACIJE

ODGOVORNI INŽENJER: Despotović Marko, dipl.inž.maš.

Licenca br. UPI 072/7-187/2 od 20.03.2020. godine.

IZJAVLJUJEM

da je ovaj projekat urađen u skladu sa:

- Zakonom o planiranju prostora i izgradnji objekata i podzakonskim aktima donešenim na osnovu navedenog zakona;
- posebnim propisima koji direktno ili na drugi način utiču na osnovne zahtjeve za objekte;
- pravilima struke i
- urbanističko-tehničkim uslovima.

(potpis odgovornog inženjera)

Podgorica, Mart 2025. god.

(mjesto i datum)

(potpis odgovornog lica)

D.O.O MAŠINAC PODGORICA

Ulica 5 kuća br. 8, Donji Kokoti, Podgorica
+382 (0) 68 298-238
masinactt@gmail.com

PIB: 03638111 **PDV:** 30/31-27190-7
Žiro račun: 520-49371-81
ME25520042000001534746

TEHNIČKI USLOVI ZA IZVOĐENJE RADOVA

PROGRAM KONTROLE I OSIGURANJA KVALITETA SA USLOVIMA ZA ISPUNJAVANJE OSNOVNIH ZAHTJEVA ZA OBJEKAT TOKOM GRAĐENJA I ODRŽAVANJA OBJEKTA

UPUTSTVO ZA UPRAVLJANJE GRAĐEVINSKIM OTPADOM ODNOSNO OPASNIM OTPADOM KOJI NASTAJE TOKOM GRAĐENJA, KORIŠĆENJA ODNOSNO UKLANJANJA OBJEKTA

NUMERIČKA DOKUMENTACIJA

TOPLOTNI PRORAČUN

Spisak unetih pregrada

Spoljni zidovi		
Oznaka	k	Grupa konstrukcije
[-]	[W/m2/K]	[-]
SZ-1	0.55	7

Krovovi		
Oznaka	k	Grupa konstrukcije
[-]	[W/m2/K]	[-]
K-1	2	2

Unutrašnje pregrade	
Oznaka	k
[-]	[W/m2/K]
Pod na tlu	2
Ukopan zid	2

Spisak unetih otvora

Spoljni otvori						
Oznaka	Povrsina	k	Dužina fuga	Prop. fuga	Kf stakla	% pod staklo
[-]	[m2]	[W/m2/K]	[m]	[m3/mhPa2/3]	[-]	[%]
SP-1	5.07	1.8	0	0	0.5	90
SP-2	4.89	1.8	0	0	0.5	90
SV-1	9.54	2	0	0	0.5	40
SV-2	4.4	2	0	0	0.5	40
SP-3	2.47	1.8	0	0	0.5	90
SV-3	1.65	2	0	0	0.5	40
SV-4	6.1	2	0	0	0.5	40
SP-4	4.16	1.8	0	0	0.5	90

Unutrašnji otvori		
Oznaka	Povrsina	k
[-]	[m2]	[W/m2/K]

PRORAČUN GUBITAKA TOPLOTE (zbirni izveštaj)

EN 12831

Klimatski podaci			
Opis	**Oznaka**	**Jedinica**	**Vrednost**
Spoljna projektna temperatura	Tsp	C	-15
Glavna godišnja spoljna temperatura	Tg,sp	C	10
Parametar B' za ceo objekat	B'	m	12
Za toplotne mostove korišćene su	Spoljne mere		

Sprat: 1 Prizemlje

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
1	01 - Ulaz	20	19	64.6
2	02 - Hol	20	353	1765
3	03 - Portir	20	8.3	28.2
4	04 - Pomocna prostorija	20	8.9	30.3
5	05 - Zbornica	20	78.6	267.2
6	06 - Direktor	20	38.1	129.5
7	07 - Zbornica	20	38	129.2
8	08 - Zbornica	20	79.1	268.9
9	09 - Zubna ambulanta	20	18.9	64.3
10	10 - Stepeniste za hodnik	20	141	479.4
11	11 - Sanitarni blok	20	13.9	47.3
12	12 - Pomocnik direktora	20	9.6	32.6
13	13 - Pedagog	20	19.8	67.3
14	14 - Racunovodstvo	20	19.8	67.3
15	15 - Biblioteka	20	94.7	322
16	16 - stepeniste i hodnik	20	73.8	250.9
17	17 - Vrtic	20	50.8	172.7
18	18 - Tusevi	20	16.1	54.7
19	19 - Toalet	20	1.6	5.4
20	20 - Kabinet fizicko	20	25.9	88.1
21	21 - Tusevi	20	16.7	56.8
22	22 - Toalet	20	1.6	5.4
23	23 - Ucionica	20	22	74.8
24	24 - Pomocna prostorija	20	26.1	88.7
25	25 - Stepeniste i hodnik	20	9.8	33.3
26	26 - Fiskulturna sala	20	82.3	493.8
27	27 - Kabinet	20	290.4	987.4
28	28 - Stepeniste i hodnik	20	9.8	33.3
29	29 - Ostava	20	6.5	22.1

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
30	30 - Ostava	20	12	40.8
31	31 - Domar	20	21.5	73.1
32	32 - Toalet	20	4.1	13.9
33	33 - Ostava	20	26.2	89.1
34	34 - Ostava	20	53.9	183.3
35	35 - Kotlarnica	20	80.7	274.4
36	36 - Ostava	20	26.2	89.1
37	37 - Ostava	20	26.2	89.1
38	38 - Ostava	20	26.2	89.1
39	39 - Ostava	20	26.2	89.1
40	40 - Hodnik	20	64.2	218.3

Sprat: 2 Prvi sprat

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
41	41 - Galerija	20	210	714
42	42 - Ucionica	20	54.3	184.6
43	43 - Ucionica	20	54.3	184.6
44	44 - Ucionica	20	54.3	184.6
45	45 - Kabinet	20	69.3	235.6
46	46 - Kabinet	20	33.7	114.6
47	47 - Sanitarni blok	20	26	88.4
48	48 - Stepeniste i hodnik	20	87.4	297.2
49	49 - Ucionica	20	53.6	182.2
50	50 - Ucionica	20	53.6	182.2
51	51 - Ucionica	20	53.6	182.2
52	52 - Stepeniste i hodnik	20	87.4	297.2
53	53 - Ucionica	20	26.1	88.7
54	54 - Ucionica	20	26.1	88.7
55	55 - Ucionica	20	53.6	182.2
56	56 - Ucionica	20	53.6	182.2
57	57 - Ucionica	20	53.6	182.2
58	58 - Stepeniste i hodnik	20	95.8	325.7
59	59 - Sanitarni blok	20	26.2	89.1
60	60 - Kabinet	20	108	367.2
61	61 - Ucionica	20	54	183.6
62	62 - Ucionica	20	54	183.6
63	63 - Ucionica	20	54	183.6

Sprat: 3 Drugi sprat

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
64	64 - Stepeniste i hodnik	20	87.4	297.2

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
65	65 - Ucionica	20	26.1	88.7
66	66 - Ucionica	20	26.1	88.7
67	67 - Ucionica	20	53.6	182.2
68	68 - Ucionica	20	53.6	182.2
69	69 - Ucionica	20	53.6	182.2
70	70 - Stepeniste i hodnik	20	30	102
71	71 - Stepeniste i hodnik	20	95.8	325.7
72	72 - Sanitarni blok	20	26.2	89.1
73	73 - Kabinet	20	108	367.2
74	74 - Ucionica	20	54	183.6
75	75 - Ucionica	20	54	183.6
76	76 - Ucionica	20	54	183.6

Sprat: 4 Treci sprat

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
77	77 - Stepeniste i hodnik	20	95.8	325.7
78	78 - Sanitarni blok	20	26.2	89.1
79	79 - Kabinet	20	108	367.2
80	80 - Ucionica	20	54	183.6
81	81 - Ucionica	20	54	183.6
82	82 - Ucionica	20	54	183.6

Sprat: 1 Prizemlje

Br.oj	Naziv	Pov [m2]	Visina [m]	Qt [W]	Qvent [W]	Qrh [W]	Quk [W]
1	01 - Ulaz	19	3.4	1454	385	380	2219
2	02 - Hol	353	5	33763	10500	7060	51323
3	03 - Portir	8.3	3.4	675	168	166	1009
4	04 - Pomocna prostorija	8.9	3.4	696	178	178	1052
5	05 - Zbornica	78.6	3.4	5247	1589	1572	8408
6	06 - Direktor	38.1	3.4	2101	770	762	3633
7	07 - Zbornica	38	3.4	2091	770	760	3621
8	08 - Zbornica	79.1	3.4	4858	1600	1582	8040
9	09 - Zubna ambulanta	18.9	3.4	1502	382	378	2262
10	10 - Stepeniste za hodnik	141	3.4	12488	2852	2820	18160
11	11 - Sanitarni blok	13.9	3.4	1332	280	278	1890
12	12 - Pomocnik direktora	9.6	3.4	723	192	192	1107
13	13 - Pedagog	19.8	3.4	1533	399	396	2328
14	14 - Racunovodstvo	19.8	3.4	1533	399	396	2328
15	15 - Biblioteka	94.7	3.4	6439	1914	1894	10247
16	16 - stepeniste i hodnik	73.8	3.4	8148	1494	1476	11118
17	17 - Vrtic	50.8	3.4	7584	1029	1016	9629
18	18 - Tusevi	16.1	3.4	1674	326	322	2322
19	19 - Toalet	1.6	3.4	166	32	32	230
20	20 - Kabinet fizicko	25.9	3.4	3550	525	518	4593
21	21 - Tusevi	16.7	3.4	1737	340	334	2411
22	22 - Toalet	1.6	3.4	166	32	32	230
23	23 - Ucionica	22	3.4	2703	444	440	3587
24	24 - Pomocna prostorija	26.1	3.4	3277	528	522	4327
25	25 - Stepeniste i hodnik	9.8	3.4	1587	200	196	1983
26	26 - Fiskulturna sala	82.3	6	13437	2936	1646	18019
27	27 - Kabinet	290.4	3.4	17907	5876	5808	29591
28	28 - Stepeniste i hodnik	9.8	3.4	1187	200	196	1583
29	29 - Ostava	6.5	3.4	221	133	130	484
30	30 - Ostava	12	3.4	408	242	240	890
31	31 - Domar	21.5	3.4	1640	434	430	2504
32	32 - Toalet	4.1	3.4	139	84	82	305
33	33 - Ostava	26.2	3.4	1796	528	524	2848
34	34 - Ostava	53.9	3.4	4193	1092	1078	6363
35	35 - Kotlarnica	80.7	3.4	4252	1631	1614	7497
36	36 - Ostava	26.2	3.4	1715	528	524	2767
37	37 - Ostava	26.2	3.4	1715	528	524	2767
38	38 - Ostava	26.2	3.4	1715	528	524	2767
39	39 - Ostava	26.2	3.4	1855	528	524	2907
40	40 - Hodnik	64.2	3.4	2183	1298	1284	4765

Sprat: 2 Prvi sprat

Br.oj	Naziv	Pov [m2]	Visina [m]	Qt [W]	Qvent [W]	Qrh [W]	Quk [W]
41	41 - Galerija	210	3.4	13163	4249	4200	21612

Br.oj	Naziv	Pov [m2]	Visina [m]	Qt [W]	Qvent [W]	Qrh [W]	Quk [W]
42	42 - Ucionica	54.3	3.4	5983	1099	1086	8168
43	43 - Ucionica	54.3	3.4	5483	1099	1086	7668
44	44 - Ucionica	54.3	3.4	5976	1099	1086	8161
45	45 - Kabinet	69.3	3.4	6704	1404	1386	9494
46	46 - Kabinet	33.7	3.4	3384	682	674	4740
47	47 - Sanitarni blok	26	3.4	2686	525	520	3731
48	48 - Stepeniste i hodnik	87.4	3.4	14436	1768	1748	17952
49	49 - Ucionica	53.6	3.4	5555	1085	1072	7712
50	50 - Ucionica	53.6	3.4	5555	1085	1072	7712
51	51 - Ucionica	53.6	3.4	6034	1085	1072	8191
52	52 - Stepeniste i hodnik	87.4	3.4	6391	1768	1748	9907
53	53 - Ucionica	26.1	3.4	866	528	522	1916
54	54 - Ucionica	26.1	3.4	866	528	522	1916
55	55 - Ucionica	53.6	3.4	1803	1085	1072	3960
56	56 - Ucionica	53.6	3.4	1803	1085	1072	3960
57	57 - Ucionica	53.6	3.4	1936	1085	1072	4093
58	58 - Stepeniste i hodnik	95.8	3.4	456	1939	1916	4311
59	59 - Sanitarni blok	26.2	3.4	909	528	524	1961
60	60 - Kabinet	108	3.4	4356	2184	2160	8700
61	61 - Ucionica	54	3.4	2187	1092	1080	4359
62	62 - Ucionica	54	3.4	1714	1092	1080	3886
63	63 - Ucionica	54	3.4	1956	1092	1080	4128

Sprat: 3 Drugi sprat

Br.oj	Naziv	Pov [m2]	Visina [m]	Qt [W]	Qvent [W]	Qrh [W]	Quk [W]
64	64 - Stepeniste i hodnik	87.4	3.4	13570	1768	1748	17086
65	65 - Ucionica	26.1	3.4	3187	528	522	4237
66	66 - Ucionica	26.1	3.4	2693	528	522	3743
67	67 - Ucionica	53.6	3.4	5555	1085	1072	7712
68	68 - Ucionica	53.6	3.4	5555	1085	1072	7712
69	69 - Ucionica	53.6	3.4	5786	1085	1072	7943
70	70 - Stepeniste i hodnik	30	3.4	3879	606	600	5085
71	71 - Stepeniste i hodnik	95.8	3.4	456	1939	1916	4311
72	72 - Sanitarni blok	26.2	3.4	909	528	524	1961
73	73 - Kabinet	108	3.4	4356	2184	2160	8700
74	74 - Ucionica	54	3.4	2187	1092	1080	4359
75	75 - Ucionica	54	3.4	1714	1092	1080	3886
76	76 - Ucionica	54	3.4	1956	1092	1080	4128

Sprat: 4 Treci sprat

Br.oj	Naziv	Pov [m2]	Visina [m]	Qt [W]	Qvent [W]	Qrh [W]	Quk [W]
77	77 - Stepeniste i hodnik	95.8	3.4	7162	1939	1916	11017
78	78 - Sanitarni blok	26.2	3.4	2743	528	524	3795
79	79 - Kabinet	108	3.4	11916	2184	2160	16260
80	80 - Ucionica	54	3.4	5967	1092	1080	8139
81	81 - Ucionica	54	3.4	5494	1092	1080	7666

Br.oj	Naziv	Pov [m2]	Visina [m]	Qt [W]	Qvent [W]	Qrh [W]	Quk [W]
82	82 - Ucionica	54	3.4	5736	1092	1080	7908
UKUPNO							
		Pov [m2]	**Visina [m]**	**Qt [W]**	**Qvent [W]**	**Qrh [W]**	**Quk [W]**
	Ukupno:	4498.4		352413	95619	89968	538000

ZA CEO OBJEKAT:
Quk= Sum(Qt) + Sum(Qvent) + Sum(Qrh) = 352413 + 95619 + 89968 = 538000 W
Pri cemu je Qv=0.34 x V x (Tun-Ts), gde se V racuna prema:
Prostorije bez vent. sistema : V=max(0.5 x Vinf,Vmin)
Prostorije sa vent. sistemom : V=0.5 x Vinf + (1-Nv) x Vsu + Vmech

PRORAČUN GUBITAKA TOPLOTE (kompletni izveštaj)

EN 12831

Klimatski podaci			
Opis	**Oznaka**	**Jedinica**	**Vrednost**
Spoljna projektna temperatura	Tsp	C	-15
Glavna godišnja spoljna temperatura	Tg,sp	C	10
Parametar B' za ceo objekat	B'	m	12
Za toplotne mostove korišćene su	Spoljne mere		

Sprat: 1 Prizemlje

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
1	01 - Ulaz	20	19	64.6
2	02 - Hol	20	353	1765
3	03 - Portir	20	8.3	28.2
4	04 - Pomocna prostorija	20	8.9	30.3
5	05 - Zbornica	20	78.6	267.2
6	06 - Direktor	20	38.1	129.5
7	07 - Zbornica	20	38	129.2
8	08 - Zbornica	20	79.1	268.9
9	09 - Zubna ambulanta	20	18.9	64.3
10	10 - Stepeniste za hodnik	20	141	479.4
11	11 - Sanitarni blok	20	13.9	47.3
12	12 - Pomocnik direktora	20	9.6	32.6
13	13 - Pedagog	20	19.8	67.3
14	14 - Racunovodstvo	20	19.8	67.3
15	15 - Biblioteka	20	94.7	322
16	16 - stepeniste i hodnik	20	73.8	250.9
17	17 - Vrtic	20	50.8	172.7
18	18 - Tusevi	20	16.1	54.7
19	19 - Toalet	20	1.6	5.4
20	20 - Kabinet fizicko	20	25.9	88.1
21	21 - Tusevi	20	16.7	56.8
22	22 - Toalet	20	1.6	5.4
23	23 - Ucionica	20	22	74.8
24	24 - Pomocna prostorija	20	26.1	88.7
25	25 - Stepeniste i hodnik	20	9.8	33.3
26	26 - Fiskulturna sala	20	82.3	493.8
27	27 - Kabinet	20	290.4	987.4
28	28 - Stepeniste i hodnik	20	9.8	33.3
29	29 - Ostava	20	6.5	22.1
30	30 - Ostava	20	12	40.8

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
31	31 - Domar	20	21.5	73.1
32	32 - Toalet	20	4.1	13.9
33	33 - Ostava	20	26.2	89.1
34	34 - Ostava	20	53.9	183.3
35	35 - Kotlarnica	20	80.7	274.4
36	36 - Ostava	20	26.2	89.1
37	37 - Ostava	20	26.2	89.1
38	38 - Ostava	20	26.2	89.1
39	39 - Ostava	20	26.2	89.1
40	40 - Hodnik	20	64.2	218.3

Sprat: 2 Prvi sprat

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
41	41 - Galerija	20	210	714
42	42 - Ucionica	20	54.3	184.6
43	43 - Ucionica	20	54.3	184.6
44	44 - Ucionica	20	54.3	184.6
45	45 - Kabinet	20	69.3	235.6
46	46 - Kabinet	20	33.7	114.6
47	47 - Sanitarni blok	20	26	88.4
48	48 - Stepeniste i hodnik	20	87.4	297.2
49	49 - Ucionica	20	53.6	182.2
50	50 - Ucionica	20	53.6	182.2
51	51 - Ucionica	20	53.6	182.2
52	52 - Stepeniste i hodnik	20	87.4	297.2
53	53 - Ucionica	20	26.1	88.7
54	54 - Ucionica	20	26.1	88.7
55	55 - Ucionica	20	53.6	182.2
56	56 - Ucionica	20	53.6	182.2
57	57 - Ucionica	20	53.6	182.2
58	58 - Stepeniste i hodnik	20	95.8	325.7
59	59 - Sanitarni blok	20	26.2	89.1
60	60 - Kabinet	20	108	367.2
61	61 - Ucionica	20	54	183.6
62	62 - Ucionica	20	54	183.6
63	63 - Ucionica	20	54	183.6

Sprat: 3 Drugi sprat

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
64	64 - Stepeniste i hodnik	20	87.4	297.2
65	65 - Ucionica	20	26.1	88.7

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
66	66 - Ucionica	20	26.1	88.7
67	67 - Ucionica	20	53.6	182.2
68	68 - Ucionica	20	53.6	182.2
69	69 - Ucionica	20	53.6	182.2
70	70 - Stepeniste i hodnik	20	30	102
71	71 - Stepeniste i hodnik	20	95.8	325.7
72	72 - Sanitarni blok	20	26.2	89.1
73	73 - Kabinet	20	108	367.2
74	74 - Ucionica	20	54	183.6
75	75 - Ucionica	20	54	183.6
76	76 - Ucionica	20	54	183.6

Sprat: 4 Treci sprat

Br.oj	Naziv	Projektna temperatura	Povrsina prostorije	Unutrašnja zapremina
		Tun [C]	Au [m2]	V_ [m3]
77	77 - Stepeniste i hodnik	20	95.8	325.7
78	78 - Sanitarni blok	20	26.2	89.1
79	79 - Kabinet	20	108	367.2
80	80 - Ucionica	20	54	183.6
81	81 - Ucionica	20	54	183.6
82	82 - Ucionica	20	54	183.6

Sprat: 1 Prizemlje	01 - Ulaz	2219 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		7.200002	0.55	1	4
SV-1				1	9.54	2	1	19.1
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								23.1

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	19	2	18.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					18.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1454 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*64.6=32.3 m3/h	Vinf=2*V*N50*e*eps=2*64.6*2*0.02*1.2=6.2 m3/h
V_=maks(Vmin,Vinf)=32.3 m3/h	
Hv=0.34*V=10.98 W/K	Qvent=Hv*(Tun-Tsp)=10.98*(20-(-15))=384 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =19 x 20=380 W

Sprat: 1 Prizemlje	02 - Hol	51323 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		88.71	0.55	1.05	51.2
SP-2				16	78.24	1.8	1.05	147.9
SZ-1	J	180	0		11.57	0.55	0.95	6
SP-1				1	5.07	1.8	0.95	8.7
K-1	HOR	0	90		204	2	1	408
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								621.7

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	353	2	342.9
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					342.9

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=33763 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*1765=882.5 m3/h	Vinf=2*V*N50*e*eps=2*1765*2*0.02*1.2=169.4 m3/h
V_=maks(Vmin,Vinf)=882.5 m3/h	
Hv=0.34*V=300.05 W/K	Qvent=Hv*(Tun-Tsp)=300.05*(20-(-15))=10502 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =353 x 20=7060 W

Sprat: 1 Prizemlje	03 - Portir	1009 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		3.75	0.55	1	2.1
SP-1				1	5.07	1.8	1	9.1
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								11.2

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	8.3	2	8.1
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					8.1

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=675 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*28.22=14.11 m3/h	Vinf=2*V*N50*e*eps=2*28.22*2*0.02*1.2=2.7 m3/h
V_=maks(Vmin,Vinf)=14.11 m3/h	
Hv=0.34*V=4.8 W/K	Qvent=Hv*(Tun-Tsp)=4.8*(20-(-15))=168 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =8.3 x 20=166 W

Sprat: 1 Prizemlje	04 - Pomocna prostorija	1052 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		3.75	0.55	1	2.1
SP-1				1	5.07	1.8	1	9.1
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								11.2

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	8.9	2	8.6
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					8.6

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=696 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*30.26=15.13 m3/h	Vinf=2*V*N50*e*eps=2*30.26*2*0.02*1.2=2.9 m3/h
V_=maks(Vmin,Vinf)=15.13 m3/h	
Hv=0.34*V=5.14 W/K	Qvent=Hv*(Tun-Tsp)=5.14*(20-(-15))=180 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =8.9 x 20=178 W

Sprat: 1 Prizemlje	05 - Zbornica	8408 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		29.85	0.55	1	16.4
SP-1				1	5.07	1.8	1	9.1
SZ-1	J	180	0		27.87	0.55	0.95	14.6
SP-2				4	19.56	1.8	0.95	33.4
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								73.6

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	78.6	2	76.4
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					76.4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5247 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*267.24=133.62 m3/h	Vinf=2*V*N50*e*eps=2*267.24*2*0.02*1.2=25.7 m3/h
V_=maks(Vmin,Vinf)=133.62 m3/h	
Hv=0.34*V=45.43 W/K	Qvent=Hv*(Tun-Tsp)=45.43*(20-(-15))=1590 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =78.6 x 20=1572 W

Sprat: 1 Prizemlje	06 - Direktor	3633 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		12.03	0.55	0.95	6.3
SP-2				2	9.78	1.8	0.95	16.7
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								23

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	38.1	2	37
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					37

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2101 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*129.54=64.77 m3/h	Vinf=2*V*N50*e*eps=2*129.54*2*0.02*1.2=12.4 m3/h
V_=maks(Vmin,Vinf)=64.77 m3/h	
Hv=0.34*V=22.02 W/K	Qvent=Hv*(Tun-Tsp)=22.02*(20-(-15))=771 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =38.1 x 20=762 W

Sprat: 1 Prizemlje	07 - Zbornica	3621 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		11.67	0.55	0.95	6.1
SP-2				2	9.78	1.8	0.95	16.7
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								22.8

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	38	2	36.9
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					36.9

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2091 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*129.2=64.6 m3/h	Vinf=2*V*N50*e*eps=2*129.2*2*0.02*1.2=12.4 m3/h
V_=maks(Vmin,Vinf)=64.6 m3/h	
Hv=0.34*V=21.96 W/K	Qvent=Hv*(Tun-Tsp)=21.96*(20-(-15))=769 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =38 x 20=760 W

Sprat: 1 Prizemlje	08 - Zbornica	8040 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.87	0.55	0.95	14.6
SP-2				4	19.56	1.8	0.95	33.4
SZ-1	I	90	0		25.2	0.55	1	13.9
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								61.9

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	79.1	2	76.8
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					76.8

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=4858 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*268.94=134.47 m3/h	Vinf=2*V*N50*e*eps=2*268.94*2*0.02*1.2=25.8 m3/h
V_=maks(Vmin,Vinf)=134.47 m3/h	
Hv=0.34*V=45.72 W/K	Qvent=Hv*(Tun-Tsp)=45.72*(20-(-15))=1600 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =79.1 x 20=1582 W

Sprat: 1 Prizemlje	09 - Zubna ambulanta	2262 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		11.49	0.55	1	6.3
SP-1				2	10.14	1.8	1	18.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								24.6

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	18.9	2	18.4
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					18.4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1502 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*64.26=32.13 m3/h	Vinf=2*V*N50*e*eps=2*64.26*2*0.02*1.2=6.2 m3/h
V_=maks(Vmin,Vinf)=32.13 m3/h	
Hv=0.34*V=10.92 W/K	Qvent=Hv*(Tun-Tsp)=10.92*(20-(-15))=382 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =18.9 x 20=378 W

Sprat: 1 Prizemlje	10 - Stepeniste za hodnik	18160 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		11.49	0.55	1	6.3
SP-1				2	10.14	1.8	1	18.3
SZ-1	I	90	0		122.73	0.55	1	67.5
SP-1				14	70.98	1.8	1	127.8
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								219.8

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	141	2	137
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					137

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=12488 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*479.4=239.7 m3/h	Vinf=2*V*N50*e*eps=2*479.4*2*0.02*1.2=46 m3/h
V_=maks(Vmin,Vinf)=239.7 m3/h	
Hv=0.34*V=81.5 W/K	Qvent=Hv*(Tun-Tsp)=81.5*(20-(-15))=2852 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =141 x 20=2820 W

Sprat: 1 Prizemlje	11 - Sanitarni blok	1890 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		11.49	0.55	1	6.3
SP-1				2	10.14	1.8	1	18.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								24.6

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	13.9	2	13.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					13.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1332 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*47.26=23.63 m3/h	Vinf=2*V*N50*e*eps=2*47.26*2*0.02*1.2=4.5 m3/h
V_=maks(Vmin,Vinf)=23.63 m3/h	
Hv=0.34*V=8.03 W/K	Qvent=Hv*(Tun-Tsp)=8.03*(20-(-15))=281 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =13.9 x 20=278 W

Sprat: 1 Prizemlje	12 - Pomocnik direktora	1107 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		3.93	0.55	1	2.2
SP-1				1	5.07	1.8	1	9.1
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								11.3

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	9.6	2	9.3
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					9.3

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=723 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*32.64=16.32 m3/h	Vinf=2*V*N50*e*eps=2*32.64*2*0.02*1.2=3.1 m3/h
V_=maks(Vmin,Vinf)=16.32 m3/h	
Hv=0.34*V=5.55 W/K	Qvent=Hv*(Tun-Tsp)=5.55*(20-(-15))=194 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =9.6 x 20=192 W

Sprat: 1 Prizemlje	13 - Pedagog	2328 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		11.49	0.55	1	6.3
SP-1				2	10.14	1.8	1	18.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								24.6

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	19.8	2	19.2
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					19.2

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1533 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*67.32=33.66 m3/h	Vinf=2*V*N50*e*eps=2*67.32*2*0.02*1.2=6.5 m3/h
V_=maks(Vmin,Vinf)=33.66 m3/h	
Hv=0.34*V=11.44 W/K	Qvent=Hv*(Tun-Tsp)=11.44*(20-(-15))=400 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =19.8 x 20=396 W

Sprat: 1 Prizemlje	14 - Racunovodstvo	2328 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		11.49	0.55	1	6.3
SP-1				2	10.14	1.8	1	18.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								24.6

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	19.8	2	19.2
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					19.2

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1533 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*67.32=33.66 m3/h	Vinf=2*V*N50*e*eps=2*67.32*2*0.02*1.2=6.5 m3/h
V_=maks(Vmin,Vinf)=33.66 m3/h	
Hv=0.34*V=11.44 W/K	Qvent=Hv*(Tun-Tsp)=11.44*(20-(-15))=400 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =19.8 x 20=396 W

Sprat: 1 Prizemlje	15 - Biblioteka	10247 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		51.09	0.55	1	28.1
SP-1				7	35.49	1.8	1	63.9
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								92

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	94.7	2	92
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					92

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=6439 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*321.98=160.99 m3/h	Vinf=2*V*N50*e*eps=2*321.98*2*0.02*1.2=30.9 m3/h
V_=maks(Vmin,Vinf)=160.99 m3/h	
Hv=0.34*V=54.74 W/K	Qvent=Hv*(Tun-Tsp)=54.74*(20-(-15))=1916 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =94.7 x 20=1894 W

Sprat: 1 Prizemlje	16 - stepeniste i hodnik	11118 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		8.559999	0.55	1	4.7
SV-2				1	4.4	2	1	8.8
K-1	HOR	0	90		73.8	2	1	147.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								161.1

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	73.8	2	71.7
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					71.7

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=8148 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*250.92=125.46 m3/h	Vinf=2*V*N50*e*eps=2*250.92*2*0.02*1.2=24.1 m3/h
V_=maks(Vmin,Vinf)=125.46 m3/h	
Hv=0.34*V=42.66 W/K	Qvent=Hv*(Tun-Tsp)=42.66*(20-(-15))=1493 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =73.8 x 20=1476 W

Sprat: 1 Prizemlje	17 - Vrtic							9629 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
K-1	HOR	0	90		50.8	2	1	101.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								101.6
VI Gubici toplote prema prostoru grejanom na različitu temperaturu								
Oznaka				Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu					0.486	50.8	2	49.3
Ukopan zid					0.486	67.68	2	65.7
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)								115.1
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=7584 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*172.72=86.36 m3/h						Vinf=2*V*N50*e*eps=2*172.72*2*0.02*1.2=16.6 m3/h		
V_=maks(Vmin,Vinf)=86.36 m3/h								
Hv=0.34*V=29.36 W/K						Qvent=Hv*(Tun-Tsp)=29.36*(20-(-15))=1028 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =50.8 x 20=1016 W								

Sprat: 1 Prizemlje	18 - Tusevi							2322 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
K-1	HOR	0	90		16.1	2	1	32.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								32.2
VI Gubici toplote prema prostoru grejanom na različitu temperaturu								
Oznaka				Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu					0.486	16.1	2	15.6
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)								15.6
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1674 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*54.74=27.37 m3/h						Vinf=2*V*N50*e*eps=2*54.74*2*0.02*1.2=5.3 m3/h		
V_=maks(Vmin,Vinf)=27.37 m3/h								
Hv=0.34*V=9.31 W/K						Qvent=Hv*(Tun-Tsp)=9.31*(20-(-15))=326 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =16.1 x 20=322 W								

Sprat: 1 Prizemlje	19 - Toalet							230 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
K-1	HOR	0	90		1.6	2	1	3.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								3.2
VI Gubici toplote prema prostoru grejanom na različitu temperaturu								
Oznaka				Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu					0.486	1.6	2	1.6
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)								1.6
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=166 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*5.44=2.72 m3/h						Vinf=2*V*N50*e*eps=2*5.44*2*0.02*1.2=0.5 m3/h		
V_=maks(Vmin,Vinf)=2.72 m3/h								
Hv=0.34*V=0.92 W/K						Qvent=Hv*(Tun-Tsp)=0.92*(20-(-15))=32 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =1.6 x 20=32 W								

Sprat: 1 Prizemlje	20 - Kabinet fizicko							4593 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
K-1	HOR	0	90		25.9	2	1	51.8
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								51.8
VI Gubici toplote prema prostoru grejanom na različitu temperaturu								
Oznaka				Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu					0.486	25.9	2	25.2
Ukopan zid					0.486	25.2	2	24.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)								49.6
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=3550 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*88.06=44.03 m3/h						Vinf=2*V*N50*e*eps=2*88.06*2*0.02*1.2=8.5 m3/h		
V_=maks(Vmin,Vinf)=44.03 m3/h								
Hv=0.34*V=14.97 W/K						Qvent=Hv*(Tun-Tsp)=14.97*(20-(-15))=524 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =25.9 x 20=518 W								

Sprat: 1 Prizemlje	21 - Tusevi	2411 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
K-1	HOR	0	90		16.7	2	1	33.4
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								33.4

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	16.7	2	16.2
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					16.2

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1737 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*56.78=28.39 m3/h	Vinf=2*V*N50*e*eps=2*56.78*2*0.02*1.2=5.5 m3/h
V_=maks(Vmin,Vinf)=28.39 m3/h	
Hv=0.34*V=9.65 W/K	Qvent=Hv*(Tun-Tsp)=9.65*(20-(-15))=338 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =16.7 x 20=334 W

Sprat: 1 Prizemlje	22 - Toalet	230 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
K-1	HOR	0	90		1.6	2	1	3.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								3.2

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	1.6	2	1.6
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					1.6

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=166 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*5.44=2.72 m3/h	Vinf=2*V*N50*e*eps=2*5.44*2*0.02*1.2=0.5 m3/h
V_=maks(Vmin,Vinf)=2.72 m3/h	
Hv=0.34*V=0.92 W/K	Qvent=Hv*(Tun-Tsp)=0.92*(20-(-15))=32 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =1.6 x 20=32 W

Sprat: 1 Prizemlje	23 - Ucionica	3587 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		14.55	0.55	1.05	8.4
SV-3				1	1.65	2	1.05	3.5
K-1	HOR	0	90		22	2	1	44
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								55.9

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	22	2	21.4
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					21.4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2703 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*74.8=37.4 m3/h	Vinf=2*V*N50*e*eps=2*74.8*2*0.02*1.2=7.2 m3/h
V_=maks(Vmin,Vinf)=37.4 m3/h	
Hv=0.34*V=12.72 W/K	Qvent=Hv*(Tun-Tsp)=12.72*(20-(-15))=445 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =22 x 20=440 W

Sprat: 1 Prizemlje	24 - Pomocna prostorija	4327 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
K-1	HOR	0	90		26.1	2	1	52.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								52.2

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	26.1	2	25.4
Ukopan zid		0.486	16.56	2	16.1
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					41.4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=3277 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*88.74001=44.37001 m3/h	Vinf=2*V*N50*e*eps=2*88.74001*2*0.02*1.2=8.5 m3/h
V_=maks(Vmin,Vinf)=44.37001 m3/h	
Hv=0.34*V=15.09 W/K	Qvent=Hv*(Tun-Tsp)=15.09*(20-(-15))=528 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =26.1 x 20=522 W

Sprat: 1 Prizemlje	25 - Stepeniste i hodnik							1983 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		12.93	0.55	1	7.1
SP-1				1	5.07	1.8	1	9.1
K-1	HOR	0	90		9.8	2	1	19.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								35.8
VI Gubici toplote prema prostoru grejanom na različitu temperaturu								
Oznaka				Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu					0.486	9.8	2	9.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)								9.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1587 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*33.32=16.66 m3/h						Vinf=2*V*N50*e*eps=2*33.32*2*0.02*1.2=3.2 m3/h		
V_=maks(Vmin,Vinf)=16.66 m3/h								
Hv=0.34*V=5.66 W/K						Qvent=Hv*(Tun-Tsp)=5.66*(20-(-15))=198 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =9.8 x 20=196 W								

Sprat: 1 Prizemlje	26 - Fiskulturna sala							18019 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		76.27	0.55	1	41.9
SP-3				3	7.41	1.8	1	13.3
SZ-1	S	0	0		50.73	0.55	1.05	29.3
SP-1				4	20.28	1.8	1.05	38.3
SZ-1	Z	270	0		30	0.55	1	16.5
K-1	HOR	0	90		82.3	2	1	164.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								304
VI Gubici toplote prema prostoru grejanom na različitu temperaturu								
Oznaka				Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu					0.486	82.3	2	79.9
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)								79.9

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=13437 W	
Ventilacioni gubici	
Vmin=Nmin*V=0.5*493.8=246.9 m3/h	Vinf=2*V*N50*e*eps=2*493.8*2*0.02*1.2=47.4 m3/h
V_=maks(Vmin,Vinf)=246.9 m3/h	
Hv=0.34*V=83.95 W/K	Qvent=Hv*(Tun-Tsp)=83.95*(20-(-15))=2938 W
Toplota za kompenzaciju prekida grejanja	
Qrh = A x Frh =82.3 x 20=1646 W	

Sprat: 1 Prizemlje	27 - Kabinet	29591 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		126.72	0.55	1	69.7
SZ-1	Z	270	0		91.41	0.55	1	50.3
SP-1				12	60.84	1.8	1	109.5
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								229.5

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	290.4	2	282.1
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					282.1

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=17907 W	
Ventilacioni gubici	
Vmin=Nmin*V=0.5*987.36=493.68 m3/h	Vinf=2*V*N50*e*eps=2*987.36*2*0.02*1.2=94.8 m3/h
V_=maks(Vmin,Vinf)=493.68 m3/h	
Hv=0.34*V=167.85 W/K	Qvent=Hv*(Tun-Tsp)=167.85*(20-(-15))=5875 W
Toplota za kompenzaciju prekida grejanja	
Qrh = A x Frh =290.4 x 20=5808 W	

Sprat: 1 Prizemlje	28 - Stepeniste i hodnik	1583 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		5.01	0.55	1	2.8
SP-1				1	5.07	1.8	1	9.1
SZ-1	S	0	0		5.01	0.55	1.05	2.9
SP-1				1	5.07	1.8	1.05	9.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								24.4

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	9.8	2	9.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					9.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1187 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*33.32=16.66 m3/h	Vinf=2*V*N50*e*eps=2*33.32*2*0.02*1.2=3.2 m3/h
V_=maks(Vmin,Vinf)=16.66 m3/h	
Hv=0.34*V=5.66 W/K	Qvent=Hv*(Tun-Tsp)=5.66*(20-(-15))=198 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =9.8 x 20=196 W

Sprat: 1 Prizemlje	29 - Ostava	484 W

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	6.5	2	6.3
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					6.3

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=221 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*22.1=11.05 m3/h	Vinf=2*V*N50*e*eps=2*22.1*2*0.02*1.2=2.1 m3/h
V_=maks(Vmin,Vinf)=11.05 m3/h	
Hv=0.34*V=3.76 W/K	Qvent=Hv*(Tun-Tsp)=3.76*(20-(-15))=132 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =6.5 x 20=130 W

Sprat: 1 Prizemlje	30 - Ostava	890 W

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk	Ak	Uk	fk x Ak x Uk
		[-]	[m2]	[W/m2K]	[W/K]
Pod na tlu		0.486	12	2	11.7
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					11.7

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=408 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*40.8=20.4 m3/h	Vinf=2*V*N50*e*eps=2*40.8*2*0.02*1.2=3.9 m3/h
V_=maks(Vmin,Vinf)=20.4 m3/h	
Hv=0.34*V=6.94 W/K	Qvent=Hv*(Tun-Tsp)=6.94*(20-(-15))=243 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =12 x 20=240 W

Sprat: 1 Prizemlje	31 - Domar	2504 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak	Uk	Ek	Ak x Uk x Ek
					[m2]	[W/m2K]	[-]	[W/K]
SZ-1	S	0	0		11.85	0.55	1.05	6.8
SP-1				2	10.14	1.8	1.05	19.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								26

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk	Ak	Uk	fk x Ak x Uk
		[-]	[m2]	[W/m2K]	[W/K]
Pod na tlu		0.486	21.5	2	20.9
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					20.9

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1640 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*73.1=36.55 m3/h	Vinf=2*V*N50*e*eps=2*73.1*2*0.02*1.2=7 m3/h
V_=maks(Vmin,Vinf)=36.55 m3/h	
Hv=0.34*V=12.43 W/K	Qvent=Hv*(Tun-Tsp)=12.43*(20-(-15))=435 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =21.5 x 20=430 W

Sprat: 1 Prizemlje	32 - Toalet	305 W

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk	Ak	Uk	fk x Ak x Uk
		[-]	[m2]	[W/m2K]	[W/K]
Pod na tlu		0.486	4.1	2	4
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=139 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*13.94=6.97 m3/h	Vinf=2*V*N50*e*eps=2*13.94*2*0.02*1.2=1.3 m3/h
V_=maks(Vmin,Vinf)=6.97 m3/h	
Hv=0.34*V=2.37 W/K	Qvent=Hv*(Tun-Tsp)=2.37*(20-(-15))=83 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =4.1 x 20=82 W

Sprat: 1 Prizemlje	33 - Ostava	2848 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak	Uk	Ek	Ak x Uk x Ek
					[m2]	[W/m2K]	[-]	[W/K]
SZ-1	S	0	0		11.67	0.55	1.05	6.7
SP-1				2	10.14	1.8	1.05	19.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								25.9

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk	Ak	Uk	fk x Ak x Uk
		[-]	[m2]	[W/m2K]	[W/K]
Pod na tlu		0.486	26.2	2	25.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					25.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1796 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*89.08=44.54 m3/h	Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h
V_=maks(Vmin,Vinf)=44.54 m3/h	
Hv=0.34*V=15.14 W/K	Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =26.2 x 20=524 W

Sprat: 1 Prizemlje	34 - Ostava	6363 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		27.33	0.55	1.05	15.8
SP-1				4	20.28	1.8	1.05	38.3
SZ-1	I	90	0		24.12	0.55	1	13.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								67.4

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	53.9	2	52.4
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					52.4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=4193 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*183.26=91.63 m3/h	Vinf=2*V*N50*e*eps=2*183.26*2*0.02*1.2=17.6 m3/h
V_=maks(Vmin,Vinf)=91.63 m3/h	
Hv=0.34*V=31.15 W/K	Qvent=Hv*(Tun-Tsp)=31.15*(20-(-15))=1090 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =53.9 x 20=1078 W

Sprat: 1 Prizemlje	35 - Kotlarnica	7497 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		31.6	0.55	1	17.4
SV-2				1	4.4	2	1	8.8
SZ-1	J	180	0		32.4	0.55	0.95	16.9
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								43.1

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	80.7	2	78.4
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					78.4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=4252 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*274.38=137.19 m3/h	Vinf=2*V*N50*e*eps=2*274.38*2*0.02*1.2=26.3 m3/h
V_=maks(Vmin,Vinf)=137.19 m3/h	
Hv=0.34*V=46.64 W/K	Qvent=Hv*(Tun-Tsp)=46.64*(20-(-15))=1632 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =80.7 x 20=1614 W

Sprat: 1 Prizemlje	36 - Ostava	2767 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		11.85	0.55	0.95	6.2
SP-1				2	10.14	1.8	0.95	17.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								23.5

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	26.2	2	25.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					25.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1715 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*89.08=44.54 m3/h	Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h
V_=maks(Vmin,Vinf)=44.54 m3/h	
Hv=0.34*V=15.14 W/K	Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =26.2 x 20=524 W

Sprat: 1 Prizemlje	37 - Ostava	2767 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		11.85	0.55	0.95	6.2
SP-1				2	10.14	1.8	0.95	17.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								23.5

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	26.2	2	25.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					25.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1715 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*89.08=44.54 m3/h	Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h
V_=maks(Vmin,Vinf)=44.54 m3/h	
Hv=0.34*V=15.14 W/K	Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =26.2 x 20=524 W

Sprat: 1 Prizemlje	38 - Ostava	2767 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		11.85	0.55	0.95	6.2
SP-1				2	10.14	1.8	0.95	17.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								23.5

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	26.2	2	25.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					25.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1715 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*89.08=44.54 m3/h	Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h
V_=maks(Vmin,Vinf)=44.54 m3/h	
Hv=0.34*V=15.14 W/K	Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =26.2 x 20=524 W

Sprat: 1 Prizemlje	39 - Ostava	2907 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		11.85	0.55	0.95	6.2
SP-1				2	10.14	1.8	0.95	17.3
SZ-1	Z	270	0		7.2	0.55	1	4
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								27.5

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk [-]	Ak [m2]	Uk [W/m2K]	fk x Ak x Uk [W/K]
Pod na tlu		0.486	26.2	2	25.5
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					25.5

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1855 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*89.08=44.54 m3/h	Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h
V_=maks(Vmin,Vinf)=44.54 m3/h	
Hv=0.34*V=15.14 W/K	Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =26.2 x 20=524 W

Sprat: 1 Prizemlje	40 - Hodnik	4765 W

VI Gubici toplote prema prostoru grejanom na različitu temperaturu

Oznaka	Kom	fk	Ak	Uk	fk x Ak x Uk
		[-]	[m2]	[W/m2K]	[W/K]
Pod na tlu		0.486	64.2	2	62.4
H6 Ukupno prema prost. grejanom na razl. t. SUM (fk*Ak*Uk)					62.4

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2183 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*218.28=109.14 m3/h	Vinf=2*V*N50*e*eps=2*218.28*2*0.02*1.2=21 m3/h
V_=maks(Vmin,Vinf)=109.14 m3/h	
Hv=0.34*V=37.11 W/K	Qvent=Hv*(Tun-Tsp)=37.11*(20-(-15))=1299 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =64.2 x 20=1284 W

Sprat: 2 Prvi sprat	41 - Galerija	21612 W

I Gubici toplote direktno prema spoljnoj sredini

Oznaka	Orij.	Dir.	Tilt	Kom	Ak	Uk	Ek	Ak x Uk x Ek
					[m2]	[W/m2K]	[-]	[W/K]
SZ-1	Z	270	0		5.91	0.55	1	3.3
SP-2				1	4.89	1.8	1	8.8
SZ-1	J	180	0		6.09	0.55	0.95	3.2
SP-1				1	5.07	1.8	0.95	8.7
SZ-1	I	90	0		6.04	0.55	1	3.3
SV-2				1	4.4	2	1	8.8
K-1	HOR	0	90		170	2	1	340
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								376.1

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=13163 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*714=357 m3/h	Vinf=2*V*N50*e*eps=2*714*2*0.02*1.2=68.5 m3/h
V_=maks(Vmin,Vinf)=357 m3/h	
Hv=0.34*V=121.38 W/K	Qvent=Hv*(Tun-Tsp)=121.38*(20-(-15))=4248 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =210 x 20=4200 W

Sprat: 2 Prvi sprat	42 - Ucionica							8168 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.87	0.55	0.95	14.6
SP-2				4	19.56	1.8	0.95	33.4
SZ-1	I	90	0		25.92	0.55	1	14.3
K-1	HOR	0	90		54.3	2	1	108.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								170.9
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5983 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*184.62=92.31 m3/h						Vinf=2*V*N50*e*eps=2*184.62*2*0.02*1.2=17.7 m3/h		
V_=maks(Vmin,Vinf)=92.31 m3/h								
Hv=0.34*V=31.39 W/K						Qvent=Hv*(Tun-Tsp)=31.39*(20-(-15))=1099 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54.3 x 20=1086 W								

Sprat: 2 Prvi sprat	43 - Ucionica							7668 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.87	0.55	0.95	14.6
SP-2				4	19.56	1.8	0.95	33.4
K-1	HOR	0	90		54.3	2	1	108.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								156.6
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5483 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*184.62=92.31 m3/h						Vinf=2*V*N50*e*eps=2*184.62*2*0.02*1.2=17.7 m3/h		
V_=maks(Vmin,Vinf)=92.31 m3/h								
Hv=0.34*V=31.39 W/K						Qvent=Hv*(Tun-Tsp)=31.39*(20-(-15))=1099 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54.3 x 20=1086 W								

Sprat: 2 Prvi sprat	44 - Ucionica							8161 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.87	0.55	0.95	14.6
SP-2				4	19.56	1.8	0.95	33.4
SZ-1	Z	270	0		25.56	0.55	1	14.1
K-1	HOR	0	90		54.3	2	1	108.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								170.7
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5976 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*184.62=92.31 m3/h						Vinf=2*V*N50*e*eps=2*184.62*2*0.02*1.2=17.7 m3/h		
V_=maks(Vmin,Vinf)=92.31 m3/h								
Hv=0.34*V=31.39 W/K						Qvent=Hv*(Tun-Tsp)=31.39*(20-(-15))=1099 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54.3 x 20=1086 W								

Sprat: 2 Prvi sprat	45 - Kabinet							9494 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		14.4	0.55	0.95	7.5
SZ-1	Z	270	0		28.24	0.55	1	15.5
SP-4				4	16.64	1.8	1	30
K-1	HOR	0	90		69.3	2	1	138.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								191.6
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=6704 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*235.62=117.81 m3/h						Vinf=2*V*N50*e*eps=2*235.62*2*0.02*1.2=22.6 m3/h		
V_=maks(Vmin,Vinf)=117.81 m3/h								
Hv=0.34*V=40.06 W/K						Qvent=Hv*(Tun-Tsp)=40.06*(20-(-15))=1402 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =69.3 x 20=1386 W								

Sprat: 2 Prvi sprat	46 - Kabinet							4740 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		12.76	0.55	1	7
SP-4				2	8.32	1.8	1	15
SZ-1	S	0	0		12.6	0.55	1.05	7.3
K-1	HOR	0	90		33.7	2	1	67.4
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								96.7
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=3384 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*114.58=57.29 m3/h						Vinf=2*V*N50*e*eps=2*114.58*2*0.02*1.2=11 m3/h		
V_=maks(Vmin,Vinf)=57.29 m3/h								
Hv=0.34*V=19.48 W/K						Qvent=Hv*(Tun-Tsp)=19.48*(20-(-15))=682 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =33.7 x 20=674 W								

Sprat: 2 Prvi sprat	47 - Sanitarni blok							3731 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		11.85	0.55	1	6.5
SP-1				2	10.14	1.8	1	18.3
K-1	HOR	0	90		26	2	1	52
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								76.8
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2686 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*88.4=44.2 m3/h						Vinf=2*V*N50*e*eps=2*88.4*2*0.02*1.2=8.5 m3/h		
V_=maks(Vmin,Vinf)=44.2 m3/h								
Hv=0.34*V=15.03 W/K						Qvent=Hv*(Tun-Tsp)=15.03*(20-(-15))=526 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26 x 20=520 W								

Sprat: 2 Prvi sprat	48 - Stepeniste i hodnik							17952 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		11.85	0.55	1	6.5
SP-1				2	10.14	1.8	1	18.3
SZ-1	I	90	0		121.65	0.55	1	66.9
SP-1				16	81.12	1.8	1	146
K-1	HOR	0	90		87.4	2	1	174.8
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								412.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=14436 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*297.16=148.58 m3/h						Vinf=2*V*N50*e*eps=2*297.16*2*0.02*1.2=28.5 m3/h		
V_=maks(Vmin,Vinf)=148.58 m3/h								
Hv=0.34*V=50.52 W/K						Qvent=Hv*(Tun-Tsp)=50.52*(20-(-15))=1768 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =87.4 x 20=1748 W								

Sprat: 2 Prvi sprat	49 - Ucionica							7712 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
K-1	HOR	0	90		53.6	2	1	107.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								158.7
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5555 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 2 Prvi sprat	50 - Ucionica							7712 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
K-1	HOR	0	90		53.6	2	1	107.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								158.7
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5555 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 2 Prvi sprat	51 - Ucionica							8191 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
SZ-1	S	0	0		23.76	0.55	1.05	13.7
K-1	HOR	0	90		53.6	2	1	107.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								172.4
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=6034 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 2 Prvi sprat	52 - Stepeniste i hodnik							9907 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		121.65	0.55	1	66.9
SP-1				12	60.84	1.8	1	109.5
SZ-1	S	0	0		10.8	0.55	1.05	6.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								182.6
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=6391 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*297.16=148.58 m3/h						Vinf=2*V*N50*e*eps=2*297.16*2*0.02*1.2=28.5 m3/h		
V_=maks(Vmin,Vinf)=148.58 m3/h								
Hv=0.34*V=50.52 W/K						Qvent=Hv*(Tun-Tsp)=50.52*(20-(-15))=1768 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =87.4 x 20=1748 W								

Sprat: 2 Prvi sprat	53 - Ucionica							1916 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		11.85	0.55	1	6.5
SP-1				2	10.14	1.8	1	18.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								24.8
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=866 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*88.74001=44.37001 m3/h						Vinf=2*V*N50*e*eps=2*88.74001*2*0.02*1.2=8.5 m3/h		
V_=maks(Vmin,Vinf)=44.37001 m3/h								
Hv=0.34*V=15.09 W/K						Qvent=Hv*(Tun-Tsp)=15.09*(20-(-15))=528 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26.1 x 20=522 W								

Sprat: 2 Prvi sprat	54 - Ucionica							1916 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		11.85	0.55	1	6.5
SP-1				2	10.14	1.8	1	18.3
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								24.8
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=866 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*88.74001=44.37001 m3/h						Vinf=2*V*N50*e*eps=2*88.74001*2*0.02*1.2=8.5 m3/h		
V_=maks(Vmin,Vinf)=44.37001 m3/h								
Hv=0.34*V=15.09 W/K						Qvent=Hv*(Tun-Tsp)=15.09*(20-(-15))=528 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26.1 x 20=522 W								

Sprat: 2 Prvi sprat	55 - Ucionica							3960 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								51.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1803 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 2 Prvi sprat	56 - Ucionica							3960 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								51.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1803 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 2 Prvi sprat	57 - Ucionica							4093 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
SZ-1	J	180	0		7.2	0.55	0.95	3.8
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								55.3
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1936 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 2 Prvi sprat	58 - Stepeniste i hodnik							4311 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		7.170001	0.55	1	3.9
SP-1				1	5.07	1.8	1	9.1
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								13
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=456 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*325.72=162.86 m3/h						Vinf=2*V*N50*e*eps=2*325.72*2*0.02*1.2=31.3 m3/h		
V_=maks(Vmin,Vinf)=162.86 m3/h								
Hv=0.34*V=55.37 W/K						Qvent=Hv*(Tun-Tsp)=55.37*(20-(-15))=1938 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =95.8 x 20=1916 W								

Sprat: 2 Prvi sprat	59 - Sanitarni blok							1961 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		11.85	0.55	1.05	6.8
SP-1				2	10.14	1.8	1.05	19.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								26
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=909 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*89.08=44.54 m3/h						Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h		
V_=maks(Vmin,Vinf)=44.54 m3/h								
Hv=0.34*V=15.14 W/K						Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26.2 x 20=524 W								

Sprat: 2 Prvi sprat	60 - Kabinet							8700 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		59.37	0.55	1.05	34.3
SP-1				8	40.56	1.8	1.05	76.7
SZ-1	I	90	0		24.48	0.55	1	13.5
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								124.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=4356 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*367.2=183.6 m3/h						Vinf=2*V*N50*e*eps=2*367.2*2*0.02*1.2=35.3 m3/h		
V_=maks(Vmin,Vinf)=183.6 m3/h								
Hv=0.34*V=62.42 W/K						Qvent=Hv*(Tun-Tsp)=62.42*(20-(-15))=2185 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =108 x 20=2160 W								

Sprat: 2 Prvi sprat	61 - Ucionica							4359 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
SZ-1	I	90	0		24.48	0.55	1	13.5
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								62.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2187 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 2 Prvi sprat	62 - Ucionica							3886 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								49
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1714 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 2 Prvi sprat	63 - Ucionica							4128 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
SZ-1	Z	270	0		12.6	0.55	1	6.9
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								55.9
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1956 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 3 Drugi sprat	64 - Stepeniste i hodnik							17086 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		121.65	0.55	1	66.9
SP-1				16	81.12	1.8	1	146
K-1	HOR	0	90		87.4	2	1	174.8
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								387.7
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=13570 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*297.16=148.58 m3/h						Vinf=2*V*N50*e*eps=2*297.16*2*0.02*1.2=28.5 m3/h		
V_=maks(Vmin,Vinf)=148.58 m3/h								
Hv=0.34*V=50.52 W/K						Qvent=Hv*(Tun-Tsp)=50.52*(20-(-15))=1768 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =87.4 x 20=1748 W								

Sprat: 3 Drugi sprat	65 - Ucionica							4237 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		11.85	0.55	1	6.5
SP-1				2	10.14	1.8	1	18.3
SZ-1	S	0	0		24.48	0.55	1.05	14.1
K-1	HOR	0	90		26.1	2	1	52.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								91.1
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=3187 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*88.74001=44.37001 m3/h						Vinf=2*V*N50*e*eps=2*88.74001*2*0.02*1.2=8.5 m3/h		
V_=maks(Vmin,Vinf)=44.37001 m3/h								
Hv=0.34*V=15.09 W/K						Qvent=Hv*(Tun-Tsp)=15.09*(20-(-15))=528 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26.1 x 20=522 W								

Sprat: 3 Drugi sprat	66 - Ucionica							3743 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		11.85	0.55	1	6.5
SP-1				2	10.14	1.8	1	18.3
K-1	HOR	0	90		26.1	2	1	52.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								77
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2693 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*88.74001=44.37001 m3/h						Vinf=2*V*N50*e*eps=2*88.74001*2*0.02*1.2=8.5 m3/h		
V_=maks(Vmin,Vinf)=44.37001 m3/h								
Hv=0.34*V=15.09 W/K						Qvent=Hv*(Tun-Tsp)=15.09*(20-(-15))=528 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26.1 x 20=522 W								

Sprat: 3 Drugi sprat	67 - Ucionica							7712 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
K-1	HOR	0	90		53.6	2	1	107.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								158.7
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5555 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 3 Drugi sprat	68 - Ucionica							7712 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
K-1	HOR	0	90		53.6	2	1	107.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								158.7
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5555 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 3 Drugi sprat	69 - Ucionica							7943 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		27.33	0.55	1	15
SP-1				4	20.28	1.8	1	36.5
SZ-1	J	180	0		12.6	0.55	0.95	6.6
K-1	HOR	0	90		53.6	2	1	107.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								165.3
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5786 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*182.24=91.12 m3/h						Vinf=2*V*N50*e*eps=2*182.24*2*0.02*1.2=17.5 m3/h		
V_=maks(Vmin,Vinf)=91.12 m3/h								
Hv=0.34*V=30.98 W/K						Qvent=Hv*(Tun-Tsp)=30.98*(20-(-15))=1084 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =53.6 x 20=1072 W								

Sprat: 3 Drugi sprat	70 - Stepeniste i hodnik							5085 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	Z	270	0		59.76	0.55	1	32.9
SZ-1	I	90	0		5.73	0.55	1	3.2
SP-1				1	5.07	1.8	1	9.1
SZ-1	J	180	0		10.8	0.55	0.95	5.6
K-1	HOR	0	90		30	2	1	60
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								110.8
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=3879 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*102=51 m3/h						Vinf=2*V*N50*e*eps=2*102*2*0.02*1.2=9.8 m3/h		
V_=maks(Vmin,Vinf)=51 m3/h								
Hv=0.34*V=17.34 W/K						Qvent=Hv*(Tun-Tsp)=17.34*(20-(-15))=607 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =30 x 20=600 W								

Sprat: 3 Drugi sprat	71 - Stepeniste i hodnik							4311 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		7.170001	0.55	1	3.9
SP-1				1	5.07	1.8	1	9.1
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								13
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=456 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*325.72=162.86 m3/h						Vinf=2*V*N50*e*eps=2*325.72*2*0.02*1.2=31.3 m3/h		
V_=maks(Vmin,Vinf)=162.86 m3/h								
Hv=0.34*V=55.37 W/K						Qvent=Hv*(Tun-Tsp)=55.37*(20-(-15))=1938 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =95.8 x 20=1916 W								

Sprat: 3 Drugi sprat	72 - Sanitarni blok							1961 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		11.85	0.55	1.05	6.8
SP-1				2	10.14	1.8	1.05	19.2
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								26
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=909 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*89.08=44.54 m3/h						Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h		
V_=maks(Vmin,Vinf)=44.54 m3/h								
Hv=0.34*V=15.14 W/K						Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26.2 x 20=524 W								

Sprat: 3 Drugi sprat	73 - Kabinet							8700 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		59.37	0.55	1.05	34.3
SP-1				8	40.56	1.8	1.05	76.7
SZ-1	I	90	0		24.48	0.55	1	13.5
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								124.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=4356 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*367.2=183.6 m3/h						Vinf=2*V*N50*e*eps=2*367.2*2*0.02*1.2=35.3 m3/h		
V_=maks(Vmin,Vinf)=183.6 m3/h								
Hv=0.34*V=62.42 W/K						Qvent=Hv*(Tun-Tsp)=62.42*(20-(-15))=2185 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =108 x 20=2160 W								

Sprat: 3 Drugi sprat	74 - Ucionica							4359 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
SZ-1	I	90	0		24.48	0.55	1	13.5
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								62.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2187 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 3 Drugi sprat	75 - Ucionica							3886 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								49
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1714 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 3 Drugi sprat	76 - Ucionica							4128 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
SZ-1	Z	270	0		12.6	0.55	1	6.9
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								55.9
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=1956 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 4 Treci sprat	77 - Stepeniste i hodnik							11017 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	I	90	0		7.170001	0.55	1	3.9
SP-1				1	5.07	1.8	1	9.1
K-1	HOR	0	90		95.8	2	1	191.6
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								204.6
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=7162 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*325.72=162.86 m3/h						Vinf=2*V*N50*e*eps=2*325.72*2*0.02*1.2=31.3 m3/h		
V_=maks(Vmin,Vinf)=162.86 m3/h								
Hv=0.34*V=55.37 W/K						Qvent=Hv*(Tun-Tsp)=55.37*(20-(-15))=1938 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =95.8 x 20=1916 W								

Sprat: 4 Treci sprat	78 - Sanitarni blok							3795 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		11.85	0.55	1.05	6.8
SP-1				2	10.14	1.8	1.05	19.2
K-1	HOR	0	90		26.2	2	1	52.4
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								78.4
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=2743 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*89.08=44.54 m3/h						Vinf=2*V*N50*e*eps=2*89.08*2*0.02*1.2=8.6 m3/h		
V_=maks(Vmin,Vinf)=44.54 m3/h								
Hv=0.34*V=15.14 W/K						Qvent=Hv*(Tun-Tsp)=15.14*(20-(-15))=530 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =26.2 x 20=524 W								

Sprat: 4 Treci sprat	79 - Kabinet							16260 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	S	0	0		59.37	0.55	1.05	34.3
SP-1				8	40.56	1.8	1.05	76.7
SZ-1	I	90	0		24.48	0.55	1	13.5
K-1	HOR	0	90		108	2	1	216
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								340.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=11916 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*367.2=183.6 m3/h						Vinf=2*V*N50*e*eps=2*367.2*2*0.02*1.2=35.3 m3/h		
V_=maks(Vmin,Vinf)=183.6 m3/h								
Hv=0.34*V=62.42 W/K						Qvent=Hv*(Tun-Tsp)=62.42*(20-(-15))=2185 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =108 x 20=2160 W								

Sprat: 4 Treci sprat	80 - Ucionica							8139 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
SZ-1	I	90	0		24.48	0.55	1	13.5
K-1	HOR	0	90		54	2	1	108
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								170.5
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5967 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 4 Treci sprat	81 - Ucionica							7666 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
K-1	HOR	0	90		54	2	1	108
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								157
Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5494 W								
Ventilacioni gubici								
Vmin=Nmin*V=0.5*183.6=91.8 m3/h						Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h		
V_=maks(Vmin,Vinf)=91.8 m3/h								
Hv=0.34*V=31.21 W/K						Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W		
Toplota za kompenzaciju prekida grejanja								
Qrh = A x Frh =54 x 20=1080 W								

Sprat: 4 Treci sprat	82 - Ucionica							7908 W
I Gubici toplote direktno prema spoljnoj sredini								
Oznaka	Orij.	Dir.	Tilt	Kom	Ak [m2]	Uk [W/m2K]	Ek [-]	Ak x Uk x Ek [W/K]
SZ-1	J	180	0		27.33	0.55	0.95	14.3
SP-1				4	20.28	1.8	0.95	34.7
SZ-1	Z	270	0		12.6	0.55	1	6.9
K-1	HOR	0	90		54	2	1	108
H1 Ukupno direktno napolje SUM(Ak*Uk*Ek)								163.9

Qt=(H1+H2+H3+H4+H5+H6)*(Tun-Tsp)=5736 W

Ventilacioni gubici

Vmin=Nmin*V=0.5*183.6=91.8 m3/h	Vinf=2*V*N50*e*eps=2*183.6*2*0.02*1.2=17.6 m3/h
V_=maks(Vmin,Vinf)=91.8 m3/h	
Hv=0.34*V=31.21 W/K	Qvent=Hv*(Tun-Tsp)=31.21*(20-(-15))=1092 W

Toplota za kompenzaciju prekida grejanja

Qrh = A x Frh =54 x 20=1080 W

PRORAČUN GREJNIH TIJELA

Izbor grejnih tijela - Osnovna škola Radomir Mitrovic Berane

redni broj	Prostorija	T_{un}	Q_{un}	Q_{un} uvećano za 10%	Dimenzije članka aluminijumskog radijatora	Snaga po jednom članku za 80/60/20°C	Stvarna snaga po jednom članku	Broj članaka- računski (+10%)	Usvojeni broj članaka	Ukupna snaga	Broj radijatora	Raspored članaka po radijatorima
[-]	[-]	[°C]	[W]	[W]	[mm]	[W]	[W]	[-]	[-]	[W]	[kom]	[W]
Prizemlje:												
1	01 - Ulaz	20	2219	**2441**	800/100	177.8	177.8	13.7	14	2489	**1**	1x14
2	02 - Hol	20	13200	**14520**	500/100	123.8	123.8	117.3	20	2475	**7**	7x20
2	02 - Hol	20	34400	**37840**	800/100	177.8	177.8	212.9	224	39819	**14**	14x16
3	03 - Portir	20	1009	**1110**	500/100	123.8	123.8	9.0	10	1238	**1**	1x10
4	04 - Pomocna prostorija	20	1052	**1157**	500/100	123.8	123.8	9.4	10	1238	**1**	1x10
5	05 - Zbornica	20	8408	**9249**	500/100	123.8	123.8	74.7	75	9282	**5**	5x15
6	06 - Direktor	20	3633	**3996**	500/100	123.8	123.8	32.3	34	4208	**2**	2x17
7	07 - Zbornica	20	3621	**3983**	500/100	123.8	123.8	32.2	34	4208	**2**	2x17
8	08 - Zbornica	20	8040	**8844**	500/100	123.8	123.8	71.5	72	8911	**4**	4x18
9	09 - Zubna ambulanta	20	2262	**2488**	500/100	123.8	123.8	20.1	20	2475	**2**	2x10
10	10 - Stepeniste za hodnik	20	18160	**19976**	500/100	123.8	123.8	161.4	182	22524	**14**	14x13
11	11 - Sanitarni blok	20	1890	**2079**	800/100	177.8	177.8	11.7	16	2844	**2**	2x8
12	12 - Pomocnik direktora	20	1107	**1218**	500/100	123.8	123.8	9.8	10	1238	**1**	1x10
13	13 - Pedagog	20	2328	**2561**	500/100	123.8	123.8	20.7	22	2723	**2**	2x11
14	14 - Racunovodstvo	20	2328	**2561**	500/100	123.8	123.8	20.7	22	2723	**2**	2x11
15	15 - Biblioteka	20	10247	**11272**	500/100	123.8	123.8	91.1	98	12128	**7**	7x14
16	16 - stepeniste i hodnik	20	11118	**12230**	500/100	123.8	123.8	98.8	104	12871	**8**	8x13
17	17 - Vrtic	20	9629	**10592**	800/100	177.8	177.8	59.6	64	11377	**4**	4x16
18	18 - Tusevi	20	2322	**2554**	800/100	177.8	177.8	14.4	16	2844	**1**	1x16
19	19 - Toalet	20	230	**253**	800/100	177.8	177.8	1.4				
20	20 - Kabinet fizicko	20	4593	**5052**	800/100	177.8	177.8	28.4	30	5333	**2**	2x15
21	21 - Tusevi	20	2411	**2652**	800/100	177.8	177.8	14.9	16	2844	**1**	1x16
22	22 - Toalet	20	230	**253**	800/100	177.8	177.8	1.4				
23	23 - Ucionica	20	3587	**3946**	800/100	177.8	177.8	22.2	24	4266	**2**	2x12

24	24 - Pomocna prostorija	20	4327	**4760**	800/100	177.8	177.8	26.8	28	4977	**2**	2x14
25	25 - Stepeniste i hodnik	20	1983	**2181**	800/100	177.8	177.8	12.3	13	2311	**1**	1x13
26	26 - Fiskulturna sala	20	18019	**19821**	800/100	177.8	177.8	111.5	112	19909	**7**	7x16
27	27 - Kabinet	20	29591	**32550**	800/100	177.8	177.8	183.1	192	34130	**12**	12x16
28	28 - Stepeniste i hodnik	20	1583	**1741**	500/100	123.8	123.8	14.1	Ne grije se			
29	29 - Ostava	20	484	**532**	500/100	123.8	123.8	4.3				
30	30 - Ostava	20	890	**979**	500/100	123.8	123.8	7.9				
31	31 - Domar	20	2504	**2754**	500/100	123.8	123.8	22.3				
32	32 - Toalet	20	305	**336**	500/100	123.8	123.8	2.7				
33	33 - Ostava	20	2848	**3133**	500/100	123.8	123.8	25.3				
34	34 - Ostava	20	6363	**6999**	500/100	123.8	123.8	56.6				
35	35 - Kotlarnica	20	7497	**8247**	500/100	123.8	123.8	66.6				
36	36 - Ostava	20	2767	**3044**	800/100	177.8	177.8	17.1	20	3555	**2**	2x10
37	37 - Ostava	20	2767	**3044**	800/100	177.8	177.8	17.1	20	3555	**2**	2x10
38	38 - Ostava	20	2767	**3044**	800/100	177.8	177.8	17.1	20	3555	**2**	2x10
39	39 - Ostava	20	2907	**3198**	800/100	177.8	177.8	18.0	20	3555	**2**	2x10
40	40 - Hodnik	20	4765	**5242**	800/100	177.8	177.8	29.5	30	5333	**2**	2x15

1.Sprat

1	41 - Galerija	20	21612	**23773**	800/100	177.8	177.8	133.7	150	26664	**10**	10x15
2	42 - Ucionica	20	8168	**8985**	500/100	123.8	123.8	72.6	72	8911	**4**	4x18
3	43 - Ucionica	20	7668	**8435**	500/100	123.8	123.8	68.2	72	8911	**4**	4x18
4	44 - Ucionica	20	8161	**8977**	500/100	123.8	123.8	72.5	72	8911	**4**	4x18
5	45 - Kabinet	20	9494	**10443**	500/100	123.8	123.8	84.4	85	10519	**5**	5x17
6	46 - Kabinet	20	4740	**5214**	500/100	123.8	123.8	42.1	42	5198	**3**	3x14
7	47 - Sanitarni blok	20	3731	**4104**	800/100	177.8	177.8	23.1	24	4266	**2**	2x12
8	48 - Stepeniste i hodnik	20	17952	**19747**	500/100	123.8	123.8	159.6	160	19801	**8**	8x20
9	49 - Ucionica	20	7712	**8483**	500/100	123.8	123.8	68.5	72	8911	**4**	4x18
10	50 - Ucionica	20	7712	**8483**	500/100	123.8	123.8	68.5	72	8911	**4**	4x18
11	51 - Ucionica	20	8191	**9010**	500/100	123.8	123.8	72.8	72	8911	**4**	4x18
12	52 - Stepeniste i hodnik	20	9907	**10898**	500/100	123.8	123.8	88.1	91	11262	**7**	7x13

13	53 - Ucionica	20	1916	**2108**	500/100	123.8	123.8	17.0	20	2475	**2**	2x10
14	54 - Ucionica	20	1916	**2108**	500/100	123.8	123.8	17.0	20	2475	**2**	2x10
15	55 - Ucionica	20	3960	**4356**	500/100	123.8	123.8	35.2	40	4950	**4**	4x10
16	56 - Ucionica	20	3960	**4356**	500/100	123.8	123.8	35.2	40	4950	**4**	4x10
17	57 - Ucionica	20	4093	**4502**	500/100	123.8	123.8	36.4	40	4950	**4**	4x10
18	58 - Stepeniste i hodnik	20	4311	**4742**	500/100	123.8	123.8	38.3	40	4950	**2**	2x20
19	59 - Sanitarni blok	20	1961	**2157**	800/100	177.8	177.8	12.1	16	2844	**2**	2x8
20	60 - Kabinet	20	8700	**9570**	500/100	123.8	123.8	77.3	96	11881	**8**	8x12
21	61 - Ucionica	20	4359	**4795**	500/100	123.8	123.8	38.7	40	4950	**4**	4x10
22	62 - Ucionica	20	3886	**4275**	500/100	123.8	123.8	34.5	40	4950	**4**	4x10
23	63 - Ucionica	20	4128	**4541**	500/100	123.8	123.8	36.7	40	4950	**4**	4x10

2.Sprat

1	64 - Stepeniste i hodnik	20	17086	**18795**	500/100	123.8	123.8	151.9	154	19059	**14**	14x11
2	65 - Ucionica	20	4237	**4661**	500/100	123.8	123.8	37.7	40	4950	**2**	2x19
3	66 - Ucionica	20	3743	**4117**	500/100	123.8	123.8	33.3	34	4208	**2**	4x17
4	67 - Ucionica	20	7712	**8483**	500/100	123.8	123.8	68.5	72	8911	**4**	4x18
5	68 - Ucionica	20	7712	**8483**	500/100	123.8	123.8	68.5	72	8911	**4**	4x18
6	69 - Ucionica	20	7943	**8737**	500/100	123.8	123.8	70.6	72	8911	**4**	4x18
7	70 - Stepeniste i hodnik	20	5085	**5594**	800/100	177.8	177.8	31.5	32	5688	**2**	2x16
8	71 - Stepeniste i hodnik	20	4311	**4742**	500/100	123.8	123.8	38.3	40	4950	**2**	2x20
9	72 - Sanitarni blok	20	1961	**2157**	800/100	177.8	177.8	12.1	16	2844	**2**	2x8
10	73 - Kabinet	20	8700	**9570**	500/100	123.8	123.8	77.3	96	11881	**8**	8x12
11	74 - Ucionica	20	4359	**4795**	500/100	123.8	123.8	38.7	40	4950	**4**	4x10
12	75 - Ucionica	20	3886	**4275**	500/100	123.8	123.8	34.5	40	4950	**4**	4x10
13	76 - Ucionica	20	4128	**4541**	500/100	123.8	123.8	36.7	40	4950	**4**	4x10

3.Sprat

1	77 - Stepeniste i hodnik	20	8800	**9680**	800/100	177.8	177.8	54.5	56	9955	**4**	4x15
1	77 - Stepeniste i hodnik	20	2300	**2530**	500/100	123.8	123.8	20.4	20	2475	**1**	1x20
2	78 - Sanitarni blok	20	3795	**4175**	800/100	177.8	177.8	23.5	24	4266	**2**	2x12
3	79 - Kabinet	20	16260	**17886**	500/100	123.8	123.8	144.5	144	17821	**8**	8x18
4	80 - Ucionica	20	8139	**8953**	500/100	123.8	123.8	72.3	72	8911	**4**	4x18
5	81 - Ucionica	20	7666	**8433**	500/100	123.8	123.8	68.1	72	8911	**4**	4x18
6	82 - Ucionica	20	7908	**8699**	500/100	123.8	123.8	70.3	72	8911	**4**	4x18

fondital

Aleternum® B4

Mala toplotna inercija

Nizak sadržaj vode

Prilagodljivost

16 bar **Maksimalni radni pritisak**

4 međunarodna patenta

Proizvod koji se ne može rastaviti.

TRETIRANJE RADIJATORA ALETERNUM

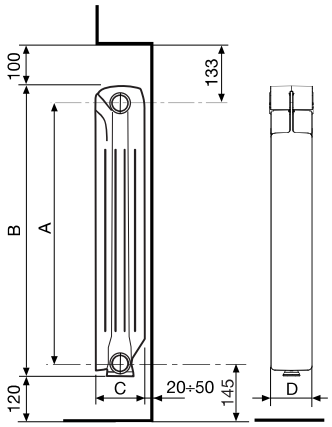
CE 16

GARANCIJA 20 GODINA WARRANTY

Baterije	800: od 3 do 10 članaka 700: od 3 do 12 članaka 600/500/350: od 3 do 14 članaka
Boje	Bela RAL 9010
Maksimalni radni pritisak	16 bara
Pritisak testiranja	24 bara
Tretiranje radijatora Aleternum	Isporučuje se standardno

Svi modeli **Aleternum B4** su pod garancijom **20 godina** od datuma ugradnje protiv proizvodnih grešaka, pod uslovom da se ugradnja obavlja na odgovarajući način, u skladu sa važećim propisima i odredbama koje se odnose na ugradnju, upotrebu i pravilno održavanje navedene u ovom katalogu.

Model	Termička snaga				
	ΔT 30	ΔT 40	ΔT 50	ΔT 60	ΔT 70
	W/ele.	W/ele.	W/ele.	W/ele.	W/ele.
350/100	47,2	67,9	89,9	113,1	137,3
500/100	64,1	92,8	123,8	156,5	190,9
600/100	74,0	107,5	143,6	182,0	222,3
700/100	83,1	120,7	161,3	204,5	249,8
800/100	91,1	132,7	177,7	225,6	276,0



MERE SU IZRAŽENE U MILIMETRIMA

Model	Šifra	Dubina	Visina	Udaljenost	Dužina	Prečnik priključaka	Sadržaj vode	Eksponent	Koeficijent
		(C) mm	(B) mm	(A) mm	(D) mm	inča	litara/elem.	n	Km
350/100	V701014	97	407	350	80	G1	0,20	1,2598	0,6506
500/100	V701034	97	558	500	80	G1	0,26	1,2890	0,7991
600/100	V701044	97	658	600	80	G1	0,31	1,2981	0,8950
700/100	V701054	97	758	700	80	G1	0,36	1,2998	0,9986
800/100	V701064	97	858	800	80	G1	0,39	1,3085	1,0635

Maksimalni radni pritisak: 1600 kpa (16 bara) Maksimalna radna temperatura: 120 °C

Karakteristična jednačina modela $\Phi = Km\ \Delta T^n$

Objavljene vrednosti termičke snage su u skladu sa evropskim standardom EN 442-1:2014 i sertifikovane su od strane univerziteta „Politecnico di Milano", laboratorija M.R.T. - Akreditovano telo № 1695.

Artikal		Opis	Šifra
	A 80	Komplet za montažu za radijatore uključuje: 2 redukcije G ½" desne; 2 redukcije G ½ "leve, pocinkovane i obojene; 4 zaptivke; 1 G ½ ručni odzračni ventil sa zaptivkom; 1 G ½" slepi čep sa zaptivkom	550103
	A 81	Komplet za montažu za radijatore uključuje: 2 redukcije G ½" desne; 2 redukcije G ½ "leve, pocinkovane i obojene; 4 zaptivke; 1 G ½ ručni odzračni ventil sa zaptivkom; 1 G ½" slepi čep sa zaptivkom; 3 nosača	550104
	A 2/1	Cevni spoj DX/SX G 1"	510011
	A 10/1	Zaptivke za cevne spojeve 1" (bez azbesta)	530105
	A 11/1	Zaptivke za kapice 1" (bez azbesta)	530108
	A 20	Komplet od dva podesiva nosača	550037

Za ostale dodatke pogledajte od str. **cross reference non trovata**

Uff. Pubb. Fondital CTC 03 C 522 - 02 | Gennaio 2022 (01/2022)

SOFTVERSKI PRORAČUN PADA PRITISKA U CJEVOVODU

Global

Basic info:	
Name of proj.:	OS Radomir Mitrovic
Address:	
City:	
Designer:	
Date of calc:	Wednesday 5 March 2025 21:50

Info on pipes type:			
Type A:	INOX	Type B:	
Type C:		Type D:	
Type E:		Type F:	
Type G:		Type H:	
Type I:		Type J:	
Type K:		Type L:	
Type M:		Type N:	
Type O:		Type P:	

Symbol of the heat source:	GRANA 1

Parameters of the heating agent:			
θs, [°C]:	80.00	θr, [°C]:	60.00
θr,r, [°C]:	54.71		
Type of agent:	Water	Concentration, [%]:	100.0

Info on the heating system:	
The total water flow in the installation Minst, [kg/s]:	3.258
Total installation capacity Vinst, [l]:	2329
Calculation thermal power of the installation ΦHL,inst, [W]:	272794
Power lost Φlost,inst, [W]:	0
Total power transferred by the system Φtot,inst, [W]:	272794

Parameters of the heat source: GRANA 1			
ΔpHS, [Pa]:	10000	VHS, [l]:	500.0
Required disposable pressure in the source Δpdisp, [Pa]:			62252
Additional power reserve for charging the bufferΦHL,reserve, [W]			
Approximate thermal power of the source in winter ΦHL,winter, [W]:			272794
Calc. thermal power of the source in the summer ΦHL,summer, [W]:			
Calc. thermal power of the source transition period ΦHL,part, [W]:			
Number of concurrently working flat stations.NFS,sim, [pcs.]:			

Statistics of rooms and radiators for the heat source: GRANA 1			
Heated rooms:			
Overheated:	0	Surplus of power, [W]:	0
Underheated:	0	Shortage of power, [W]:	0
Heating power, [W]:	0	Heat gains from pipes, [W]:	0
Underheated rooms:			
Heating power, [W]:	0	Heat gains from pipes, [W]:	0
Radiators:			
Overheating:	0	Surplus of power, [W]:	0
Underheating:	0	Shortage of power, [W]:	0
Design heating power, [W]:	0	Actual heating power, [W]:	0

Symbol of the heat source:	GRANA 2

Global

Basic info:			
Parameters of the heating agent:			
θs, [°C]:	80.00	θr, [°C]:	60.00
θr,r, [°C]:	55.24		
Type of agent:	Water	Concentration, [%]:	100.0
Info on the heating system:			
The total water flow in the installation Minst, [kg/s]:			3.923
Total installation capacity Vinst, [l]:			2599
Calculation thermal power of the installation ΦHL,inst, [W]:			328513
Power lost Φlost,inst, [W]:			0
Total power transferred by the system Φtot,inst, [W]:			328513
Parameters of the heat source: GRANA 2			
ΔpHS, [Pa]:	10000	VHS, [l]:	500.0
Required disposable pressure in the source Δpdisp, [Pa]:			71249
Additional power reserve for charging the bufferΦHL,reserve, [W]			
Approximate thermal power of the source in winter ΦHL,winter, [W]:			328513
Calc. thermal power of the source in the summer ΦHL,summer, [W]:			
Calc. thermal power of the source transition period ΦHL,part, [W]:			
Number of concurrently working flat stations.NFS,sim, [pcs.]:			
Statistics of rooms and radiators for the heat source: GRANA 2			
Heated rooms:			
Overheated:	0	Surplus of power, [W]:	0
Underheated:	0	Shortage of power, [W]:	0
Heating power, [W]:	0	Heat gains from pipes, [W]:	0
Underheated rooms:			
Heating power, [W]:	0	Heat gains from pipes, [W]:	0
Radiators:			
Overheating:	0	Surplus of power, [W]:	0
Underheating:	0	Shortage of power, [W]:	0
Design heating power, [W]:	0	Actual heating power, [W]:	0

Circuits - CH Heating

Type	Pip.	L	Room	dn	Gins	ΦHL	ΦHL	PLc	M	Q	v	R	R·L	Σς	Δp	Δp	θs	Δθr
pr.		m		mm	mm	W	kW		kg/s	l/min	m/s	Pa/m	Pa		Pa	kPa	°C	K
Riser/Plot: / Circulation by the receiver: 71-1 in the room:																		
Δpdisp = 62804 Pa Δpgr = 553 Pa Δp = 62804 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 40.20 m																		
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	1.95		28		12757	12.8	1.000	0.152	9.4	0.304	46	90	1.5	160	0.16	79.60	0.22
	A	3.10		22		10282	10.3	1.000	0.123	7.6	0.419	114	353	4.0	704	0.70	79.39	0.33
	A	0.85		15		2475	2.5	1.000	0.030	1.8	0.229	66	56	1501.4	39424	39.42	79.06	0.35
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.174 m³/h			Δp = 39328 Pa										
	71-1												Φr = 2475 W Aut. =		Δp = 1000 Pa			
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	70	14	7.1	195	0.19	58.71	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 173 Pa										
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	70	11	0.3	18	0.02	58.66	0.03
	A	2.35		15		2475	2.5	1.000	0.030	1.8	0.226	70	165	3.0	242	0.24	58.63	0.57
	A	3.10		22		10282	10.3	1.000	0.123	7.5	0.413	121	375	3.0	631	0.63	57.13	0.18
	A	1.10		28		12757	12.8	1.000	0.152	9.3	0.301	49	54	1.0	99	0.10	57.23	0.07
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
Riser/Plot: / Circulation by the receiver: 77-2 in the room:																		
Δpdisp = 63078 Pa Δpgr = 826 Pa Δp = 63078 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 48.20 m																		
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	1.95		28		12757	12.8	1.000	0.152	9.4	0.304	46	90	1.5	160	0.16	79.60	0.22
	A	3.10		22		10282	10.3	1.000	0.123	7.6	0.419	114	353	4.0	704	0.70	79.39	0.33
	A	2.35		22		7807	7.8	1.000	0.093	5.8	0.318	70	164	3.5	341	0.34	79.06	0.33
	A	3.25		18		5332	5.3	1.000	0.064	3.9	0.326	94	306	5.5	598	0.60	78.73	0.72
	A	0.75		18		5332	5.3	1.000	0.064	3.9	0.325	94	71	4.3	299	0.30	78.01	0.12
	A	0.70		15		2666	2.7	1.000	0.032	2.0	0.246	75	53	1250.0	38028	38.03	77.88	0.26
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.191 m³/h			Δp = 37869 Pa										
	77-2												Φr = 2666 W Aut. =		Δp = 1000 Pa			
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	57.62	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 201 Pa										
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	3.0	109	0.11	57.57	0.04
	A	1.00		18		5332	5.3	1.000	0.064	3.9	0.322	100	100	1.0	152	0.15	56.99	0.13
	A	3.00		22		7807	7.8	1.000	0.093	5.7	0.314	74	223	3.5	396	0.40	57.07	0.23
	A	3.10		22		10282	10.3	1.000	0.123	7.5	0.413	121	375	3.0	631	0.63	57.13	0.18
	A	1.10		28		12757	12.8	1.000	0.152	9.3	0.301	49	54	1.0	99	0.10	57.23	0.07
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
Riser/Plot: / Circulation by the receiver: 77-3 in the room:																		
Δpdisp = 63078 Pa Δpgr = 826 Pa Δp = 63078 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 53.10 m																		
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	1.95		28		12757	12.8	1.000	0.152	9.4	0.304	46	90	1.5	160	0.16	79.60	0.22
	A	3.10		22		10282	10.3	1.000	0.123	7.6	0.419	114	353	4.0	704	0.70	79.39	0.33
	A	2.35		22		7807	7.8	1.000	0.093	5.8	0.318	70	164	3.5	341	0.34	79.06	0.33
	A	3.25		18		5332	5.3	1.000	0.064	3.9	0.326	94	306	5.5	598	0.60	78.73	0.72

	A	0.75		18		5332	5.3	1.000	0.064	3.9	0.325	94	71	4.3	299	0.30	78.01	0.12
	A	0.85		15		2666	2.7	1.000	0.032	2.0	0.246	75	64	1232.4	37503	37.50	77.88	0.32
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.193 m³/h		Δp = 37333 Pa												
	77-3		Φr = 2666 W Aut. =			Δp = 1000 Pa												
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	57.57	0.04
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 201 Pa												
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	2.3	88	0.09	57.52	0.04
	A	4.80		15		2666	2.7	1.000	0.032	1.9	0.244	81	387	5.5	550	0.55	57.49	1.03
	A	1.00		18		5332	5.3	1.000	0.064	3.9	0.322	100	100	1.0	152	0.15	56.99	0.13
	A	3.00		22		7807	7.8	1.000	0.093	5.7	0.314	74	223	3.5	396	0.40	57.07	0.23
	A	3.10		22		10282	10.3	1.000	0.123	7.5	0.413	121	375	3.0	631	0.63	57.13	0.18
	A	1.10		28		12757	12.8	1.000	0.152	9.3	0.301	49	54	1.0	99	0.10	57.23	0.07
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 77-1 in the room:																	
	Δpdisp = 63078 Pa Δpgr = 827 Pa Δp = 63078 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 46.40 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	1.95		28		12757	12.8	1.000	0.152	9.4	0.304	46	90	1.5	160	0.16	79.60	0.22
	A	3.10		22		10282	10.3	1.000	0.123	7.6	0.419	114	353	4.0	704	0.70	79.39	0.33
	A	2.35		22		7807	7.8	1.000	0.093	5.8	0.318	70	164	3.5	341	0.34	79.06	0.33
	A	0.75		15		2475	2.5	1.000	0.030	1.8	0.229	66	49	1.0	76	0.08	78.73	0.23
	A	0.85		15		2475	2.5	1.000	0.030	1.8	0.229	66	56	1480.9	38858	38.86	78.50	0.35
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.176 m³/h		Δp = 38794 Pa												
	77-1		Φr = 2475 W Aut. =			Δp = 1000 Pa												
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	70	14	7.1	195	0.19	58.16	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 173 Pa												
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	70	11	0.3	18	0.02	58.11	0.03
	A	2.35		15		2475	2.5	1.000	0.030	1.8	0.226	71	166	2.3	225	0.22	58.08	0.56
	A	0.10		15		2475	2.5	1.000	0.030	1.8	0.226	71	7	1.5	45	0.05	57.52	0.02
	A	3.00		22		7807	7.8	1.000	0.093	5.7	0.314	74	223	3.5	396	0.40	57.07	0.23
	A	3.10		22		10282	10.3	1.000	0.123	7.5	0.413	121	375	3.0	631	0.63	57.13	0.18
	A	1.10		28		12757	12.8	1.000	0.152	9.3	0.301	49	54	1.0	99	0.10	57.23	0.07
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 58-1 in the room:																	
	Δpdisp = 62526 Pa Δpgr = 275 Pa Δp = 62526 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 34.00 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	1.95		28		12757	12.8	1.000	0.152	9.4	0.304	46	90	1.5	160	0.16	79.60	0.22
	A	0.85		15		2475	2.5	1.000	0.030	1.8	0.229	66	56	1541.1	40481	40.48	79.39	0.35
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.172 m³/h		Δp = 40386 Pa												
	58-1		Φr = 2475 W Aut. =			Δp = 1000 Pa												
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	70	14	7.1	195	0.19	59.04	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 173 Pa												
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	70	11	0.3	18	0.02	58.99	0.03
	A	2.35		15		2475	2.5	1.000	0.030	1.8	0.226	70	165	3.0	242	0.24	58.96	0.57
	A	1.10		28		12757	12.8	1.000	0.152	9.3	0.301	49	54	1.0	99	0.10	57.23	0.07
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														

Riser/Plot: / Circulation by the receiver: 74-2 in the room:																		
Δpdisp = 62805 Pa Δpgr = 553 Pa Δp = 62805 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 62.20 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	2.00			54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
A	0.45			54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
A	6.50			54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
A	11.00			42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
A	1.95			22		9408	9.4	1.000	0.112	6.9	0.383	97	190	1.5	300	0.30	79.21	0.23
A	3.10			22		6932	6.9	1.000	0.083	5.1	0.282	57	175	4.0	335	0.33	78.98	0.49
A	0.85			12		1238	1.2	1.000	0.015	0.9	0.194	69	59	1952.7	36615	36.61	78.49	0.57
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.091 m³/h			Δp = 36528 Pa										
74-2			Φr = 1238 W Aut. =						Δp = 1000 Pa									
A	0.20			12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	57.92	0.08
RLV-S			dn = 15 mm		kv = 2.600			Δp = 43 Pa										
A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.84	0.04
A	2.35			12		1238	1.2	1.000	0.015	0.9	0.191	74	174	3.0	229	0.23	57.80	0.91
A	3.10			22		6932	6.9	1.000	0.083	5.0	0.279	60	187	2.5	284	0.28	56.64	0.27
A	1.10			22		9408	9.4	1.000	0.112	6.8	0.378	104	114	1.0	185	0.19	56.63	0.07
A	11.00			42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
A	6.50			54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
A	0.45			54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
A	2.00			54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
MSV-F2 PN16			Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 80-2 in the room:																		
Δpdisp = 63073 Pa Δpgr = 821 Pa Δp = 63073 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 68.45 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	2.00			54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
A	0.45			54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
A	6.50			54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
A	11.00			42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
A	1.95			22		9408	9.4	1.000	0.112	6.9	0.383	97	190	1.5	300	0.30	79.21	0.23
A	3.10			22		6932	6.9	1.000	0.083	5.1	0.282	57	175	4.0	335	0.33	78.98	0.49
A	3.10			18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	78.49	0.61
A	0.90			15		2228	2.2	1.000	0.027	1.6	0.206	55	50	1694.4	35998	36.00	77.88	0.40
RA-DV S			Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.164 m³/h			Δp = 35832 Pa										
80-2			Φr = 2228 W Aut. =						Δp = 1000 Pa									
A	0.20			15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	57.47	0.05
RLV-S			dn = 15 mm		kv = 2.600			Δp = 140 Pa										
A	0.15			15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.42	0.03
A	2.35			15		2228	2.2	1.000	0.027	1.6	0.204	59	139	8.0	304	0.30	57.39	0.61
A	3.10			18		4456	4.5	1.000	0.053	3.2	0.269	73	228	2.0	300	0.30	56.82	0.34
A	3.10			22		6932	6.9	1.000	0.083	5.0	0.279	60	187	2.5	284	0.28	56.64	0.27
A	1.10			22		9408	9.4	1.000	0.112	6.8	0.378	104	114	1.0	185	0.19	56.63	0.07
A	11.00			42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
A	6.50			54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
A	0.45			54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
A	2.00			54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
MSV-F2 PN16			Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 80-1 in the room:																		
Δpdisp = 63073 Pa Δpgr = 821 Pa Δp = 63073 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 68.35 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	2.00			54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
A	0.45			54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
A	6.50			54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
A	11.00			42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
A	1.95			22		9408	9.4	1.000	0.112	6.9	0.383	97	190	1.5	300	0.30	79.21	0.23
A	3.10			22		6932	6.9	1.000	0.083	5.1	0.282	57	175	4.0	335	0.33	78.98	0.49
A	3.10			18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	78.49	0.61

	A	0.65		15		2228	2.2	1.000	0.027	1.6	0.206	55	36	1694.5	35989	35.99	77.88	0.29
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.164 m³/h		Δp = 35836 Pa												
	80-1		Φr = 2228 W Aut. =			Δp = 1000 Pa												
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	57.59	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.52	0.03
	A	2.45		15		2228	2.2	1.000	0.027	1.6	0.204	59	144	8.0	310	0.31	57.49	0.63
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	73	228	2.0	300	0.30	56.82	0.34
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.279	60	187	2.5	284	0.28	56.64	0.27
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	114	1.0	185	0.19	56.63	0.07
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 74-1 in the room:																	
	Δpdisp = 62804 Pa Δpgr = 553 Pa Δp = 62804 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 62.20 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	1.95		22		9408	9.4	1.000	0.112	6.9	0.383	97	190	1.5	300	0.30	79.21	0.23
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	175	4.0	335	0.33	78.98	0.49
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.194	69	48	1952.5	36603	36.60	78.49	0.47
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.091 m³/h		Δp = 36527 Pa												
	74-1		Φr = 1238 W Aut. =			Δp = 1000 Pa												
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	58.02	0.10
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.92	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	3.0	236	0.24	57.88	0.95
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.279	60	187	2.5	284	0.28	56.64	0.27
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	114	1.0	185	0.19	56.63	0.07
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 61-1 in the room:																	
	Δpdisp = 62527 Pa Δpgr = 275 Pa Δp = 62527 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 56.00 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	1.95		22		9408	9.4	1.000	0.112	6.9	0.383	97	190	1.5	300	0.30	79.21	0.23
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.194	69	48	1969.5	36945	36.94	78.98	0.47
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.090 m³/h		Δp = 36868 Pa												
	61-1		Φr = 1238 W Aut. =			Δp = 1000 Pa												
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	58.50	0.10
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	58.40	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	3.0	236	0.24	58.36	0.96
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	114	1.0	185	0.19	56.63	0.07
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														

Riser/Plot: / Circulation by the receiver: 61-2 in the room:																		
Δpdisp = 62527 Pa Δpgr = 275 Pa Δp = 62527 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 56.00 m																		
	GRANA 1									ΔpHS = 10000 Pa								
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	1.95		22		9408	9.4	1.000	0.112	6.9	0.383	97	190	1.5	300	0.30	79.21	0.23
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.194	69	59	1969.7	36956	36.96	78.98	0.57
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.090 m³/h			Δp = 36869 Pa										
	61-2							Φr = 1238 W Aut. =		Δp = 1000 Pa								
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	58.40	0.08
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 43 Pa										
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	58.32	0.04
	A	2.35		12		1238	1.2	1.000	0.015	0.9	0.191	74	174	3.0	228	0.23	58.28	0.92
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	114	1.0	185	0.19	56.63	0.07
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 74-4 in the room:																		
Δpdisp = 62809 Pa Δpgr = 558 Pa Δp = 62809 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 72.20 m																		
	GRANA 1									ΔpHS = 10000 Pa								
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	1.95		22		7428	7.4	1.000	0.089	5.5	0.302	64	125	1.5	193	0.19	79.00	0.29
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.302	83	256	5.5	508	0.51	78.71	0.56
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	48	1882.0	35269	35.27	78.15	0.47
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.092 m³/h			Δp = 35193 Pa										
	74-4							Φr = 1238 W Aut. =		Δp = 1000 Pa								
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	57.69	0.10
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 43 Pa										
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.59	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	3.0	236	0.24	57.55	0.94
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.299	89	275	4.0	453	0.45	55.91	0.30
	A	1.10		22		7428	7.4	1.000	0.089	5.4	0.299	68	75	1.0	120	0.12	56.12	0.09
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 74-3 in the room:																		
Δpdisp = 62810 Pa Δpgr = 558 Pa Δp = 62810 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 72.20 m																		
	GRANA 1									ΔpHS = 10000 Pa								
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	1.95		22		7428	7.4	1.000	0.089	5.5	0.302	64	125	1.5	193	0.19	79.00	0.29
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.302	83	256	5.5	508	0.51	78.71	0.56
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1882.2	35281	35.28	78.15	0.57
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.092 m³/h			Δp = 35194 Pa										

	74-3					Φr = 1238 W Aut. =			Δp = 1000 Pa									
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	57.59	0.08
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 43 Pa										
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.51	0.04
	A	2.35		12		1238	1.2	1.000	0.015	0.9	0.191	74	174	3.0	229	0.23	57.47	0.90
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.299	89	275	4.0	453	0.45	55.91	0.30
	A	1.10		22		7428	7.4	1.000	0.089	5.4	0.299	68	75	1.0	120	0.12	56.12	0.09
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 80-3 in the room:																	
	Δpdisp = 63086 Pa Δpgr = 834 Pa Δp = 63086 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 78.40 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	1.95		22		7428	7.4	1.000	0.089	5.5	0.302	64	125	1.5	193	0.19	79.00	0.29
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.302	83	256	5.5	508	0.51	78.71	0.56
	A	3.10		15		2476	2.5	1.000	0.030	1.8	0.229	66	205	9.5	454	0.45	78.15	0.91
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1852.6	34688	34.69	77.24	0.55
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.093 m³/h			Δp = 34527 Pa										
	80-3					Φr = 1238 W Aut. =			Δp = 1000 Pa									
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.69	0.08
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 43 Pa										
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.61	0.04
	A	2.35		12		1238	1.2	1.000	0.015	0.9	0.191	74	173	8.0	320	0.32	56.57	0.87
	A	3.10		15		2476	2.5	1.000	0.030	1.8	0.226	71	221	4.0	323	0.32	55.72	0.49
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.299	89	275	4.0	453	0.45	55.91	0.30
	A	1.10		22		7428	7.4	1.000	0.089	5.4	0.299	68	75	1.0	120	0.12	56.12	0.09
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 80-4 in the room:																	
	Δpdisp = 63085 Pa Δpgr = 834 Pa Δp = 63085 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 78.40 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	1.95		22		7428	7.4	1.000	0.089	5.5	0.302	64	125	1.5	193	0.19	79.00	0.29
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.302	83	256	5.5	508	0.51	78.71	0.56
	A	3.10		15		2476	2.5	1.000	0.030	1.8	0.229	66	205	9.5	454	0.45	78.15	0.91
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	48	1852.4	34677	34.68	77.24	0.46
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.093 m³/h			Δp = 34526 Pa										
	80-4					Φr = 1238 W Aut. =			Δp = 1000 Pa									
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.79	0.09
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 43 Pa										
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.69	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	8.0	327	0.33	56.65	0.91
	A	3.10		15		2476	2.5	1.000	0.030	1.8	0.226	71	221	4.0	323	0.32	55.72	0.49
	A	3.10		18		4952	5.0	1.000	0.059	3.6	0.299	89	275	4.0	453	0.45	55.91	0.30
	A	1.10		22		7428	7.4	1.000	0.089	5.4	0.299	68	75	1.0	120	0.12	56.12	0.09
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13

	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 61-4 in the room:																	
	Δpdisp = 62528 Pa Δpgr = 276 Pa Δp = 62528 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 66.00 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	1.95		22		7428	7.4	1.000	0.089	5.5	0.302	64	125	1.5	193	0.19	79.00	0.29
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.194	69	48	1917.0	35948	35.95	78.71	0.47
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.091 m³/h Δp = 35872 Pa															
	61-4		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	58.24	0.10
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	58.14	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	3.0	236	0.24	58.10	0.96
	A	1.10		22		7428	7.4	1.000	0.089	5.4	0.299	68	75	1.0	120	0.12	56.12	0.09
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 61-3 in the room:																	
	Δpdisp = 62528 Pa Δpgr = 276 Pa Δp = 62528 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 66.00 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	1.95		22		7428	7.4	1.000	0.089	5.5	0.302	64	125	1.5	193	0.19	79.00	0.29
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.194	69	59	1917.1	35960	35.96	78.71	0.57
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.091 m³/h Δp = 35873 Pa															
	61-3		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	58.14	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	58.06	0.04
	A	2.35		12		1238	1.2	1.000	0.015	0.9	0.191	74	174	3.0	229	0.23	58.02	0.92
	A	1.10		22		7428	7.4	1.000	0.089	5.4	0.299	68	75	1.0	120	0.12	56.12	0.09
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 36-2 in the room:																	
	Δpdisp = 62254 Pa Δpgr = 3 Pa Δp = 62254 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 76.81 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25

	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30		28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	0.85		15		3556	3.6	1.000	0.042	2.6	0.329	125	106	7.5	512	0.51	78.67	0.18
	A	0.85		12		1778	1.8	1.000	0.021	1.3	0.278	130	110	862.4	33414	33.41	78.49	0.40
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.136 m³/h		Δp = 33169 Pa												
	36-2		Φr = 1778 W Aut. =			Δp = 1000 Pa												
	A	0.20		12		1778	1.8	1.000	0.021	1.3	0.275	138	28	2.7	128	0.13	58.09	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 89 Pa												
	A	0.15		12		1778	1.8	1.000	0.021	1.3	0.275	139	21	0.3	32	0.03	58.04	0.03
	A	2.35		12		1778	1.8	1.000	0.021	1.3	0.275	139	326	6.0	552	0.55	58.01	0.64
	A	1.70		15		3556	3.6	1.000	0.042	2.6	0.325	133	226	6.0	543	0.54	57.38	0.20
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 36-1 in the room:																	
	Δpdisp = 62254 Pa Δpgr = 2 Pa Δp = 62254 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 76.81 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30		28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	0.85		15		3556	3.6	1.000	0.042	2.6	0.329	125	106	7.5	512	0.51	78.67	0.18
	A	0.70		12		1778	1.8	1.000	0.021	1.3	0.278	130	91	862.3	33393	33.39	78.49	0.33
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.136 m³/h		Δp = 33167 Pa												
	36-1		Φr = 1778 W Aut. =			Δp = 1000 Pa												
	A	0.25		12		1778	1.8	1.000	0.021	1.3	0.275	138	35	2.7	135	0.14	58.16	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 89 Pa												
	A	0.15		12		1778	1.8	1.000	0.021	1.3	0.275	138	21	0.3	32	0.03	58.09	0.03
	A	2.45		12		1778	1.8	1.000	0.021	1.3	0.275	139	340	6.0	566	0.57	58.07	0.67
	A	1.70		15		3556	3.6	1.000	0.042	2.6	0.325	133	226	6.0	543	0.54	57.38	0.20
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 62-1 in the room:																	
	Δpdisp = 62526 Pa Δpgr = 274 Pa Δp = 62526 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 77.91 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30		28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	97	219	3.5	476	0.48	78.67	0.26

	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	48	1825.8	34227	34.23	78.41	0.47
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.094 m³/h Δp = 34151 Pa															
	62-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	57.94	0.10
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.84	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	3.0	236	0.24	57.80	0.95
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	145	4.0	431	0.43	56.10	0.09
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 62-2 in the room:																	
	Δpdisp = 62526 Pa Δpgr = 274 Pa Δp = 62526 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 77.91 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30		28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	97	219	3.5	476	0.48	78.67	0.26
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1825.9	34239	34.24	78.41	0.57
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.094 m³/h Δp = 34152 Pa															
	62-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	57.84	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.76	0.04
	A	2.35		12		1238	1.2	1.000	0.015	0.9	0.191	74	174	3.0	229	0.23	57.72	0.91
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	145	4.0	431	0.43	56.10	0.09
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 75-1 in the room:																	
	Δpdisp = 62802 Pa Δpgr = 550 Pa Δp = 62802 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 84.11 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30		28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	97	219	3.5	476	0.48	78.67	0.26
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	78.41	0.48
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	48	1808.5	33884	33.88	77.93	0.46
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.094 m³/h Δp = 33807 Pa															
	75-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	57.46	0.10

	RLV-S		dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15	12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.37	0.04
	A	2.45	12		1238	1.2	1.000	0.015	0.9	0.191	74	181	3.0	236	0.24	57.32	0.93
	A	3.10	22		6932	6.9	1.000	0.083	5.0	0.279	61	188	2.5	285	0.28	56.10	0.26
	A	1.40	22		9408	9.4	1.000	0.112	6.8	0.378	104	145	4.0	431	0.43	56.10	0.09
	A	0.25	28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30	28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00	42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00	42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00	42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50	54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45	54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00	54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10	76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05	76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 75-2 in the room:																	
	Δpdisp = 62802 Pa Δpgr = 550 Pa Δp = 62802 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 84.11 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95	76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00	54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45	54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50	54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00	42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00	42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00	42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30	28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45	28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	2.25	22		9408	9.4	1.000	0.112	6.9	0.383	97	219	3.5	476	0.48	78.67	0.26
	A	3.10	22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	78.41	0.48
	A	0.85	12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1808.6	33895	33.90	77.93	0.56
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.094 m³/h		Δp = 33808 Pa											
	75-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20	12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	57.36	0.08
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15	12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.29	0.04
	A	2.35	12		1238	1.2	1.000	0.015	0.9	0.191	74	174	3.0	228	0.23	57.25	0.89
	A	3.10	22		6932	6.9	1.000	0.083	5.0	0.279	61	188	2.5	285	0.28	56.10	0.26
	A	1.40	22		9408	9.4	1.000	0.112	6.8	0.378	104	145	4.0	431	0.43	56.10	0.09
	A	0.25	28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30	28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00	42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00	42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00	42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50	54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45	54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00	54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10	76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05	76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 81-1 in the room:																	
	Δpdisp = 63068 Pa Δpgr = 816 Pa Δp = 63068 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 90.31 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95	76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00	54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45	54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50	54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00	42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00	42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00	42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30	28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45	28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	2.25	22		9408	9.4	1.000	0.112	6.9	0.383	97	219	3.5	476	0.48	78.67	0.26
	A	3.10	22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	78.41	0.48
	A	3.10	18		4456	4.5	1.000	0.053	3.3	0.272	69	213	9.5	565	0.56	77.93	0.61
	A	0.70	15		2228	2.2	1.000	0.027	1.6	0.206	55	39	1556.8	33046	33.05	77.32	0.31
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.172 m³/h		Δp = 32891 Pa											
	81-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25	15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	57.01	0.06
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											

	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.95	0.03
	A	2.45		15		2228	2.2	1.000	0.027	1.6	0.204	59	145	8.0	311	0.31	56.92	0.62
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	228	4.0	372	0.37	56.28	0.34
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.279	61	188	2.5	285	0.28	56.10	0.26
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	145	4.0	431	0.43	56.10	0.09
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 81-2 in the room:																	
	Δpdisp = 63068 Pa Δpgr = 817 Pa Δp = 63068 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 90.31 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	0.30		28		12964	13.0	1.000	0.155	9.6	0.309	48	14	1.5	86	0.09	78.76	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.6	0.309	48	22	0.3	36	0.04	78.73	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	97	219	3.5	476	0.48	78.67	0.26
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	78.41	0.48
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	9.5	565	0.56	77.93	0.61
	A	0.85		15		2228	2.2	1.000	0.027	1.6	0.206	55	47	1556.9	33055	33.06	77.32	0.37
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.172 m³/h Δp = 32892 Pa															
	81-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.95	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.89	0.03
	A	2.35		15		2228	2.2	1.000	0.027	1.6	0.204	59	139	8.0	305	0.30	56.87	0.60
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	228	4.0	372	0.37	56.28	0.34
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.279	61	188	2.5	285	0.28	56.10	0.26
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	145	4.0	431	0.43	56.10	0.09
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	56.33	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	56.31	0.02
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 37-1 in the room:																	
	Δpdisp = 62255 Pa Δpgr = 3 Pa Δp = 62255 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 106.90 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	0.15		28		12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04
	A	0.10		15		3556	3.6	1.000	0.042	2.6	0.329	125	13	1.0	67	0.07	77.90	0.03
	A	1.00		15		3556	3.6	1.000	0.042	2.6	0.329	125	125	4.3	358	0.36	77.88	0.21
	A	0.70		12		1778	1.8	1.000	0.021	1.3	0.278	130	91	765.1	29610	29.61	77.67	0.32
	RA-DV S		Preset: 6 dn = 15 mm															

			Q = m³/h	kv = 0.145 m³/h	Δp = 29384 Pa													
	37-1		Φr = 1778 W Aut. =	Δp = 1000 Pa														
	A	0.25	12	1778	1.8	1.000	0.021	1.3	0.275	139	35	2.7	135	0.14	57.35	0.07		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 89 Pa													
	A	0.15	12	1778	1.8	1.000	0.021	1.3	0.275	139	21	0.3	32	0.03	57.28	0.03		
	A	2.45	12	1778	1.8	1.000	0.021	1.3	0.275	139	341	6.0	567	0.57	57.25	0.65		
	A	1.65	15	3556	3.6	1.000	0.042	2.6	0.325	133	220	3.0	379	0.38	56.59	0.19		
	A	0.40	28	12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03		
	A	0.35	28	12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02		
	A	5.00	35	38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14		
	A	5.00	35	38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14		
	A	5.00	35	38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14		
	A	5.00	42	51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12		
	A	5.00	42	59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11		
	A	11.00	42	68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21		
	A	6.50	54	81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13		
	A	0.45	54	81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01		
	A	2.00	54	91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03		
	A	2.10	76	272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01		
	A	3.05	76	272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02		
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 37-2 in the room:																	
	Δpdisp = 62255 Pa Δpgr = 3 Pa Δp = 62255 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 106.90 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95	76	272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 3659 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	A	1.40	76	272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02		
	A	2.00	54	91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07		
	A	0.45	54	81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02		
	A	6.50	54	81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25		
	A	11.00	42	68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40		
	A	5.00	42	59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21		
	A	5.00	42	51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24		
	A	5.00	35	38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27		
	A	5.00	35	38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27		
	A	5.00	35	38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27		
	A	0.15	28	12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02		
	A	0.30	28	12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04		
	A	0.10	15	3556	3.6	1.000	0.042	2.6	0.329	125	13	1.0	67	0.07	77.90	0.03		
	A	1.00	15	3556	3.6	1.000	0.042	2.6	0.329	125	125	4.3	358	0.36	77.88	0.21		
	A	0.85	12	1778	1.8	1.000	0.021	1.3	0.278	130	111	765.2	29631	29.63	77.67	0.39		
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.145 m³/h	Δp = 29386 Pa													
	37-2		Φr = 1778 W Aut. =	Δp = 1000 Pa														
	A	0.20	12	1778	1.8	1.000	0.021	1.3	0.275	139	28	2.7	128	0.13	57.28	0.05		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 89 Pa													
	A	0.15	12	1778	1.8	1.000	0.021	1.3	0.275	139	21	0.3	32	0.03	57.23	0.03		
	A	2.35	12	1778	1.8	1.000	0.021	1.3	0.275	139	327	6.0	553	0.55	57.20	0.62		
	A	1.65	15	3556	3.6	1.000	0.042	2.6	0.325	133	220	3.0	379	0.38	56.59	0.19		
	A	0.40	28	12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03		
	A	0.35	28	12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02		
	A	5.00	35	38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14		
	A	5.00	35	38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14		
	A	5.00	35	38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14		
	A	5.00	42	51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12		
	A	5.00	42	59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11		
	A	11.00	42	68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21		
	A	6.50	54	81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13		
	A	0.45	54	81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01		
	A	2.00	54	91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03		
	A	2.10	76	272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01		
	A	3.05	76	272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02		
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 62-4 in the room:																	
	Δpdisp = 62525 Pa Δpgr = 273 Pa Δp = 62525 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 107.90 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95	76	272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 3659 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	A	1.40	76	272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02		
	A	2.00	54	91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07		
	A	0.45	54	81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02		
	A	6.50	54	81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25		
	A	11.00	42	68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40		
	A	5.00	42	59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21		
	A	5.00	42	51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24		
	A	5.00	35	38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27		

	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	0.15		28		12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04
	A	2.10		22		9408	9.4	1.000	0.112	6.9	0.383	98	205	3.0	425	0.42	77.90	0.24
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1623.6	30424	30.42	77.66	0.56
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.099 m³/h Δp = 30337 Pa															
	62-4		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	57.11	0.10
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.01	0.04
	A	2.40		12		1238	1.2	1.000	0.015	0.9	0.191	74	177	1.0	196	0.20	56.97	0.90
	A	1.45		22		9408	9.4	1.000	0.112	6.8	0.378	104	151	0.3	172	0.17	55.40	0.09
	A	0.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	10	1.5	118	0.12	55.32	0.01
	A	0.40		28		12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03
	A	0.35		28		12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 62-3 in the room:																	
	Δpdisp = 62524 Pa Δpgr = 273 Pa Δp = 62524 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 107.70 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	0.15		28		12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04
	A	2.10		22		9408	9.4	1.000	0.112	6.9	0.383	98	205	3.0	425	0.42	77.90	0.24
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	48	1624.2	30427	30.43	77.66	0.46
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.099 m³/h Δp = 30351 Pa															
	62-3		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	57.20	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.13	0.04
	A	2.40		12		1238	1.2	1.000	0.015	0.9	0.191	74	177	1.0	196	0.20	57.09	0.91
	A	1.45		22		9408	9.4	1.000	0.112	6.8	0.378	104	151	0.3	172	0.17	55.40	0.09
	A	0.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	10	1.5	118	0.12	55.32	0.01
	A	0.40		28		12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03
	A	0.35		28		12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 75-4 in the room:																	
	Δpdisp = 62798 Pa Δpgr = 546 Pa Δp = 62798 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 114.10 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															

	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	0.15		28		12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04
	A	2.10		22		9408	9.4	1.000	0.112	6.9	0.383	98	205	3.0	425	0.42	77.90	0.24
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	2.5	275	0.28	77.66	0.47
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1604.1	30042	30.04	77.19	0.55
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.100 m³/h		Δp = 29955 Pa												
	75-4		Φr = 1238 W Aut. =			Δp = 1000 Pa												
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.64	0.09
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.54	0.04
	A	2.40		12		1238	1.2	1.000	0.015	0.9	0.191	74	177	3.0	232	0.23	56.50	0.89
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	188	4.0	343	0.34	55.40	0.26
	A	1.45		22		9408	9.4	1.000	0.112	6.8	0.378	104	151	0.3	172	0.17	55.40	0.09
	A	0.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	10	1.5	118	0.12	55.32	0.01
	A	0.40		28		12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03
	A	0.35		28		12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 75-3 in the room:																	
	Δpdisp = 62797 Pa Δpgr = 546 Pa Δp = 62797 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 113.90 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	0.15		28		12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04
	A	2.10		22		9408	9.4	1.000	0.112	6.9	0.383	98	205	3.0	425	0.42	77.90	0.24
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	2.5	275	0.28	77.66	0.47
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	48	1604.7	30045	30.05	77.19	0.46
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.100 m³/h		Δp = 29969 Pa												
	75-3		Φr = 1238 W Aut. =			Δp = 1000 Pa												
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.73	0.08
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.66	0.04
	A	2.40		12		1238	1.2	1.000	0.015	0.9	0.191	74	177	3.0	232	0.23	56.62	0.89
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	188	4.0	343	0.34	55.40	0.26
	A	1.45		22		9408	9.4	1.000	0.112	6.8	0.378	104	151	0.3	172	0.17	55.40	0.09
	A	0.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	10	1.5	118	0.12	55.32	0.01
	A	0.40		28		12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03
	A	0.35		28		12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03

	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 81-4 in the room:																		
	Δpdisp = 63062 Pa Δpgr = 810 Pa Δp = 63062 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 120.30 m																		
	GRANA 1							ΔpHS = 10000 Pa											
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00			54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45			54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50			54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00			42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00			42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00			42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00			35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	0.15			28		12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02
	A	0.30			28		12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04
	A	2.10			22		9408	9.4	1.000	0.112	6.9	0.383	98	205	3.0	425	0.42	77.90	0.24
	A	3.10			22		6932	6.9	1.000	0.083	5.1	0.282	57	176	2.5	275	0.28	77.66	0.47
	A	3.10			18		4456	4.5	1.000	0.053	3.3	0.272	69	214	5.5	417	0.42	77.19	0.60
	A	0.85			15		2228	2.2	1.000	0.027	1.6	0.206	55	47	1379.8	29276	29.28	76.59	0.37
	RA-DV S			Preset: 7		dn = 15 mm													
				Q = m³/h		kv = 0.182 m³/h		Δp = 29113 Pa											
	81-4			Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25			15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.22	0.06
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15			15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.16	0.03
	A	2.40			15		2228	2.2	1.000	0.027	1.6	0.204	59	142	8.0	308	0.31	56.14	0.59
	A	3.10			18		4456	4.5	1.000	0.053	3.2	0.269	74	229	6.0	445	0.45	55.58	0.33
	A	3.10			22		6932	6.9	1.000	0.083	5.0	0.278	61	188	4.0	343	0.34	55.40	0.26
	A	1.45			22		9408	9.4	1.000	0.112	6.8	0.378	104	151	0.3	172	0.17	55.40	0.09
	A	0.10			22		9408	9.4	1.000	0.112	6.8	0.378	104	10	1.5	118	0.12	55.32	0.01
	A	0.40			28		12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03
	A	0.35			28		12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02
	A	5.00			35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00			35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00			35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00			42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00			42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00			42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50			54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45			54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00			54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 81-3 in the room:																		
	Δpdisp = 63062 Pa Δpgr = 810 Pa Δp = 63062 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 120.10 m																		
	GRANA 1							ΔpHS = 10000 Pa											
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00			54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45			54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50			54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00			42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00			42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00			42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00			35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	0.15			28		12964	13.0	1.000	0.155	9.5	0.309	48	7	1.5	79	0.08	77.96	0.02
	A	0.30			28		12964	13.0	1.000	0.155	9.5	0.309	48	14	0.3	29	0.03	77.94	0.04
	A	2.10			22		9408	9.4	1.000	0.112	6.9	0.383	98	205	3.0	425	0.42	77.90	0.24
	A	3.10			22		6932	6.9	1.000	0.083	5.1	0.282	57	176	2.5	275	0.28	77.66	0.47
	A	3.10			18		4456	4.5	1.000	0.053	3.3	0.272	69	214	5.5	417	0.42	77.19	0.60
	A	0.40			15		2228	2.2	1.000	0.027	1.6	0.206	55	22	5.5	139	0.14	76.59	0.17
	A	0.30			15		2228	2.2	1.000	0.027	1.6	0.206	55	17	1374.9	29140	29.14	76.42	0.13
	RA-DV S			Preset: 7		dn = 15 mm													
				Q = m³/h		kv = 0.182 m³/h		Δp = 29124 Pa											
	81-3			Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20			15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.29	0.05
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 140 Pa											

	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.24	0.03
	A	2.40		15		2228	2.2	1.000	0.027	1.6	0.204	59	142	8.0	308	0.31	56.21	0.60
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	6.0	445	0.45	55.58	0.33
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	188	4.0	343	0.34	55.40	0.26
	A	1.45		22		9408	9.4	1.000	0.112	6.8	0.378	104	151	0.3	172	0.17	55.40	0.09
	A	0.10		22		9408	9.4	1.000	0.112	6.8	0.378	104	10	1.5	118	0.12	55.32	0.01
	A	0.40		28		12964	13.0	1.000	0.155	9.4	0.305	51	20	0.3	34	0.03	55.61	0.03
	A	0.35		28		12964	13.0	1.000	0.155	9.4	0.305	51	18	1.0	64	0.06	55.58	0.02
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 63-1 in the room:																	
	Δpdisp = 62523 Pa Δpgr = 272 Pa Δp = 62523 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 117.91 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	98	220	3.5	476	0.48	77.47	0.25
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	48	1578.9	29564	29.56	77.22	0.46
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.101 m³/h Δp = 29487 Pa															
	63-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.76	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.67	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	1.0	199	0.20	56.63	0.91
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	146	4.0	431	0.43	54.99	0.08
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 63-2 in the room:																	
	Δpdisp = 62524 Pa Δpgr = 272 Pa Δp = 62524 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 117.91 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27

	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	98	220	3.5	476	0.48	77.47	0.25
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1579.1	29575	29.57	77.22	0.55
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.101 m³/h Δp = 29488 Pa															
	63-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.66	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.59	0.04
	A	2.35		12		1238	1.2	1.000	0.015	0.9	0.191	74	173	1.0	192	0.19	56.55	0.87
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	146	4.0	431	0.43	54.99	0.08
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 76-1 in the room:																	
	Δpdisp = 62795 Pa Δpgr = 543 Pa Δp = 62795 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 124.11 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	98	220	3.5	476	0.48	77.47	0.25
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	77.22	0.47
	A	0.70		12		1238	1.2	1.000	0.015	0.9	0.193	69	49	1559.2	29179	29.18	76.75	0.45
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.101 m³/h Δp = 29102 Pa															
	76-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.30	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.20	0.04
	A	2.45		12		1238	1.2	1.000	0.015	0.9	0.191	74	181	3.0	235	0.24	56.16	0.90
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	188	2.5	285	0.29	54.98	0.25
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	146	4.0	431	0.43	54.99	0.08
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 76-2 in the room:																	
	Δpdisp = 62795 Pa Δpgr = 544 Pa Δp = 62795 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 124.11 m																	
	GRANA 1		ΔpHS = 10000 Pa															

	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	98	220	3.5	476	0.48	77.47	0.25
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	77.22	0.47
	A	0.85		12		1238	1.2	1.000	0.015	0.9	0.193	69	59	1559.4	29190	29.19	76.75	0.55
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.101 m³/h		Δp = 29103 Pa												
	76-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.20	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.13	0.04
	A	2.35		12		1238	1.2	1.000	0.015	0.9	0.191	74	173	3.0	228	0.23	56.09	0.86
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	188	2.5	285	0.29	54.98	0.25
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	146	4.0	431	0.43	54.99	0.08
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 82-2 in the room:																	
	Δpdisp = 63058 Pa Δpgr = 806 Pa Δp = 63058 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 130.31 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	98	220	3.5	476	0.48	77.47	0.25
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	77.22	0.47
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	214	5.5	417	0.42	76.75	0.59
	A	0.55		15		2228	2.2	1.000	0.027	1.6	0.206	55	30	5.5	147	0.15	76.16	0.24
	A	0.30		15		2228	2.2	1.000	0.027	1.6	0.206	55	17	1331.4	28201	28.20	75.92	0.13
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.185 m³/h		Δp = 28185 Pa												
	82-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	55.79	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	55.74	0.03
	A	2.35		15		2228	2.2	1.000	0.027	1.6	0.203	59	140	8.0	305	0.31	55.72	0.57
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	8.0	518	0.52	55.16	0.32
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	188	2.5	285	0.29	54.98	0.25
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	146	4.0	431	0.43	54.99	0.08
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21

	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 82-1 in the room:																	
	Δpdisp = 63058 Pa Δpgr = 806 Pa Δp = 63058 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 130.31 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	2.25		22		9408	9.4	1.000	0.112	6.9	0.383	98	220	3.5	476	0.48	77.47	0.25
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	176	4.0	335	0.33	77.22	0.47
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	214	5.5	417	0.42	76.75	0.59
	A	0.70		15		2228	2.2	1.000	0.027	1.6	0.206	55	39	1336.6	28339	28.34	76.16	0.30
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.185 m³/h Δp = 28184 Pa															
	82-1												Φr = 2228 W Aut. = Δp = 1000 Pa					
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	55.86	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	55.80	0.03
	A	2.45		15		2228	2.2	1.000	0.027	1.6	0.203	59	145	8.0	311	0.31	55.77	0.60
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	8.0	518	0.52	55.16	0.32
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	188	2.5	285	0.29	54.98	0.25
	A	1.40		22		9408	9.4	1.000	0.112	6.8	0.378	104	146	4.0	431	0.43	54.99	0.08
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 38-2 in the room:																	
	Δpdisp = 62256 Pa Δpgr = 4 Pa Δp = 62256 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 116.71 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03

	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	0.85		15		3556	3.6	1.000	0.042	2.6	0.329	125	106	7.5	512	0.51	77.47	0.17
	A	0.80		12		1778	1.8	1.000	0.021	1.3	0.278	130	104	742.1	28723	28.72	77.30	0.36
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.147 m³/h		Δp = 28484 Pa												
	38-2		Φr = 1778 W Aut. =			Δp = 1000 Pa												
	A	0.20		12		1778	1.8	1.000	0.021	1.3	0.275	139	28	2.7	128	0.13	56.93	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 89 Pa												
	A	0.15		12		1778	1.8	1.000	0.021	1.3	0.275	139	21	0.3	32	0.03	56.88	0.03
	A	2.30		12		1778	1.8	1.000	0.021	1.3	0.275	139	320	6.0	547	0.55	56.85	0.60
	A	1.70		15		3556	3.6	1.000	0.042	2.6	0.325	134	227	6.0	544	0.54	56.23	0.19
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 38-1 in the room:																	
	Δpdisp = 62255 Pa Δpgr = 4 Pa Δp = 62255 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 116.91 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	0.30		28		12964	13.0	1.000	0.155	9.5	0.309	48	14	1.5	86	0.09	77.56	0.03
	A	0.45		28		12964	13.0	1.000	0.155	9.5	0.309	48	22	0.3	36	0.04	77.53	0.06
	A	0.85		15		3556	3.6	1.000	0.042	2.6	0.329	125	106	7.5	512	0.51	77.47	0.17
	A	0.75		12		1778	1.8	1.000	0.021	1.3	0.278	130	98	741.4	28688	28.69	77.30	0.34
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.147 m³/h		Δp = 28456 Pa												
	38-1		Φr = 1778 W Aut. =			Δp = 1000 Pa												
	A	0.25		12		1778	1.8	1.000	0.021	1.3	0.275	139	35	2.7	135	0.14	56.96	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 89 Pa												
	A	0.15		12		1778	1.8	1.000	0.021	1.3	0.275	139	21	0.3	32	0.03	56.89	0.03
	A	2.50		12		1778	1.8	1.000	0.021	1.3	0.275	139	348	6.0	575	0.57	56.86	0.66
	A	1.70		15		3556	3.6	1.000	0.042	2.6	0.325	134	227	6.0	544	0.54	56.23	0.19
	A	0.25		28		12964	13.0	1.000	0.155	9.4	0.305	51	13	0.3	27	0.03	55.21	0.02
	A	0.30		28		12964	13.0	1.000	0.155	9.4	0.305	51	15	1.0	62	0.06	55.19	0.02
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 63-3 in the room:																	
	Δpdisp = 62521 Pa Δpgr = 269 Pa Δp = 62521 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 135.80 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07

	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64
	A	1.95		22		9408	9.4	1.000	0.112	6.9	0.382	98	191	5.0	556	0.56	76.28	0.21
	A	0.75		12		1238	1.2	1.000	0.015	0.9	0.193	69	52	1529.2	28598	28.60	76.06	0.48
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.102 m³/h		Δp = 28517 Pa												
	63-3		Φr = 1238 W Aut. =			Δp = 1000 Pa												
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	55.59	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	55.51	0.04
	A	2.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	165	3.0	220	0.22	55.48	0.81
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	105	115	4.0	400	0.40	53.90	0.06
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 63-4 in the room:																	
	Δpdisp = 62521 Pa Δpgr = 269 Pa Δp = 62521 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 136.20 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64
	A	1.95		22		9408	9.4	1.000	0.112	6.9	0.382	98	191	5.0	556	0.56	76.28	0.21
	A	0.80		12		1238	1.2	1.000	0.015	0.9	0.193	69	56	1527.7	28572	28.57	76.06	0.51
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.102 m³/h		Δp = 28488 Pa												
	63-4		Φr = 1238 W Aut. =			Δp = 1000 Pa												
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	55.56	0.09
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	55.46	0.04
	A	2.55		12		1238	1.2	1.000	0.015	0.9	0.191	74	187	3.0	242	0.24	55.43	0.91
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	105	115	4.0	400	0.40	53.90	0.06
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h			Δp = 2949 Pa												

Riser/Plot: / Circulation by the receiver: 76-4 in the room:																		
Δpdisp = 62789 Pa Δpgr = 537 Pa Δp = 62789 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 142.40 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	2.00			54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
A	0.45			54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
A	6.50			54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
A	11.00			42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
A	5.00			42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
A	5.00			42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
A	5.00			35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
A	5.00			35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
A	5.00			28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65
A	5.00			28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64
A	1.95			22		9408	9.4	1.000	0.112	6.9	0.382	98	191	5.0	556	0.56	76.28	0.21
A	3.10			22		6932	6.9	1.000	0.083	5.1	0.282	57	177	4.0	335	0.34	76.06	0.46
A	0.80			12		1238	1.2	1.000	0.015	0.9	0.193	70	56	1512.7	28277	28.28	75.61	0.50
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.103 m³/h			Δp = 28194 Pa										
76-4			Φr = 1238 W Aut. =									Δp = 1000 Pa						
A	0.25			12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	55.10	0.09
RLV-S			dn = 15 mm		kv = 2.600			Δp = 43 Pa										
A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	55.01	0.04
A	2.55			12		1238	1.2	1.000	0.015	0.9	0.191	73	187	3.0	242	0.24	54.98	0.90
A	3.10			22		6932	6.9	1.000	0.083	5.0	0.278	61	189	1.0	228	0.23	53.90	0.24
A	1.10			22		9408	9.4	1.000	0.112	6.8	0.378	105	115	4.0	400	0.40	53.90	0.06
A	5.00			28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34
A	5.00			28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33
A	5.00			35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
A	5.00			35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
A	5.00			35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
A	5.00			35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
A	5.00			42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
A	5.00			42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
A	11.00			42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
A	6.50			54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
A	0.45			54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
A	2.00			54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
MSV-F2 PN16			Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 76-3 in the room:																		
Δpdisp = 62789 Pa Δpgr = 537 Pa Δp = 62789 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 142.00 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	2.00			54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
A	0.45			54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
A	6.50			54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
A	11.00			42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
A	5.00			42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
A	5.00			42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
A	5.00			35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
A	5.00			35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
A	5.00			35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
A	5.00			28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65
A	5.00			28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64
A	1.95			22		9408	9.4	1.000	0.112	6.9	0.382	98	191	5.0	556	0.56	76.28	0.21
A	3.10			22		6932	6.9	1.000	0.083	5.1	0.282	57	177	4.0	335	0.34	76.06	0.46
A	0.75			12		1238	1.2	1.000	0.015	0.9	0.193	70	52	1514.2	28303	28.30	75.61	0.47
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.103 m³/h			Δp = 28223 Pa										
76-3			Φr = 1238 W Aut. =									Δp = 1000 Pa						
A	0.20			12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	55.13	0.07
RLV-S			dn = 15 mm		kv = 2.600			Δp = 43 Pa										
A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	55.06	0.04
A	2.25			12		1238	1.2	1.000	0.015	0.9	0.191	73	165	3.0	220	0.22	55.02	0.79
A	3.10			22		6932	6.9	1.000	0.083	5.0	0.278	61	189	1.0	228	0.23	53.90	0.24
A	1.10			22		9408	9.4	1.000	0.112	6.8	0.378	105	115	4.0	400	0.40	53.90	0.06
A	5.00			28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34
A	5.00			28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33

	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 82-3 in the room:																	
	Δpdisp = 63048 Pa Δpgr = 796 Pa Δp = 63048 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 148.20 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64
	A	1.95		22		9408	9.4	1.000	0.112	6.9	0.382	98	191	5.0	556	0.56	76.28	0.21
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	177	4.0	335	0.34	76.06	0.46
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	214	9.5	565	0.56	75.61	0.58
	A	0.75		15		2228	2.2	1.000	0.027	1.6	0.206	55	42	1296.3	27450	27.45	75.03	0.31
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.188 m³/h		Δp = 27292 Pa												
	82-3									Φr = 2228 W	Aut. =		Δp = 1000 Pa					
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.203	60	12	7.1	158	0.16	54.72	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.203	60	9	0.3	15	0.02	54.67	0.03
	A	2.25		15		2228	2.2	1.000	0.027	1.6	0.203	60	134	8.0	300	0.30	54.64	0.53
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.268	74	230	4.0	374	0.37	54.06	0.31
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	189	1.0	228	0.23	53.90	0.24
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	105	115	4.0	400	0.40	53.90	0.06
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 82-4 in the room:																	
	Δpdisp = 63048 Pa Δpgr = 796 Pa Δp = 63048 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 148.60 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40

	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64
	A	1.95		22		9408	9.4	1.000	0.112	6.9	0.382	98	191	5.0	556	0.56	76.28	0.21
	A	3.10		22		6932	6.9	1.000	0.083	5.1	0.282	57	177	4.0	335	0.34	76.06	0.46
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	214	9.5	565	0.56	75.61	0.58
	A	0.80		15		2228	2.2	1.000	0.027	1.6	0.206	55	44	1295.2	27429	27.43	75.03	0.33
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.188 m³/h		Δp = 27269 Pa												
	82-4		Φr = 2228 W Aut. =			Δp = 1000 Pa												
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.203	60	15	7.1	161	0.16	54.69	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.203	60	9	0.3	15	0.02	54.64	0.03
	A	2.55		15		2228	2.2	1.000	0.027	1.6	0.203	60	152	8.0	318	0.32	54.61	0.60
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.268	74	230	4.0	374	0.37	54.06	0.31
	A	3.10		22		6932	6.9	1.000	0.083	5.0	0.278	61	189	1.0	228	0.23	53.90	0.24
	A	1.10		22		9408	9.4	1.000	0.112	6.8	0.378	105	115	4.0	400	0.40	53.90	0.06
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 39-1 in the room:																	
	Δpdisp = 62258 Pa Δpgr = 6 Pa Δp = 62258 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 136.10 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	0.45		54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02
	A	6.50		54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25
	A	11.00		42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40
	A	5.00		42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21
	A	5.00		42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24
	A	5.00		35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27
	A	5.00		35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27
	A	5.00		35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65
	A	5.00		28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64
	A	1.15		15		3556	3.6	1.000	0.042	2.6	0.328	126	144	7.5	549	0.55	76.28	0.23
	A	0.70		12		1778	1.8	1.000	0.021	1.3	0.278	131	91	717.5	27721	27.72	76.05	0.31
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.150 m³/h		Δp = 27495 Pa												
	39-1		Φr = 1778 W Aut. =			Δp = 1000 Pa												
	A	0.25		12		1778	1.8	1.000	0.021	1.3	0.274	140	35	2.7	135	0.14	55.74	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 89 Pa												
	A	0.15		12		1778	1.8	1.000	0.021	1.3	0.274	140	21	0.3	32	0.03	55.68	0.03
	A	2.45		12		1778	1.8	1.000	0.021	1.3	0.274	140	343	6.0	569	0.57	55.65	0.62
	A	2.00		15		3556	3.6	1.000	0.042	2.6	0.325	134	269	6.0	585	0.58	55.02	0.22
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34
	A	5.00		28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33
	A	5.00		35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14
	A	5.00		35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14
	A	5.00		42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12
	A	5.00		42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11
	A	11.00		42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21
	A	6.50		54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13
	A	0.45		54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 39-2 in the room:																	
	Δpdisp = 62258 Pa Δpgr = 6 Pa Δp = 62258 Pa Δpover = 0 Pa ΔH = -0.20 m LCIR = 136.10 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05

	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
	A	2.00	54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07	
	A	0.45	54		81449	81.4	1.000	0.973	60.1	0.490	46	21	1.5	201	0.20	79.87	0.02	
	A	6.50	54		81449	81.4	1.000	0.973	60.0	0.490	46	301	0.3	337	0.34	79.85	0.25	
	A	11.00	42		68692	68.7	1.000	0.820	50.6	0.706	125	1378	1.0	1628	1.63	79.60	0.40	
	A	5.00	42		59284	59.3	1.000	0.708	43.7	0.610	96	479	0.5	572	0.57	79.21	0.21	
	A	5.00	42		51856	51.9	1.000	0.619	38.2	0.533	75	376	0.5	447	0.45	79.00	0.24	
	A	5.00	35		38892	38.9	1.000	0.464	28.7	0.594	117	584	1.0	760	0.76	78.76	0.27	
	A	5.00	35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.49	0.27	
	A	5.00	35		38892	38.9	1.000	0.464	28.6	0.594	117	584	0.0	584	0.58	78.22	0.27	
	A	5.00	35		25928	25.9	1.000	0.310	19.1	0.396	56	281	0.5	320	0.32	77.96	0.40	
	A	5.00	28		12964	13.0	1.000	0.155	9.5	0.309	48	239	1.0	287	0.29	77.56	0.65	
	A	5.00	28		12964	13.0	1.000	0.155	9.5	0.309	48	239	0.0	239	0.24	76.92	0.64	
	A	1.15	15		3556	3.6	1.000	0.042	2.6	0.328	126	144	7.5	549	0.55	76.28	0.23	
	A	0.85	12		1778	1.8	1.000	0.021	1.3	0.278	131	111	717.6	27742	27.74	76.05	0.38	
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.150 m³/h		Δp = 27496 Pa											
	39-2		Φr = 1778 W Aut. = Δp = 1000 Pa															
	A	0.20	12		1778	1.8	1.000	0.021	1.3	0.274	140	28	2.7	128	0.13	55.67	0.05	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 89 Pa											
	A	0.15	12		1778	1.8	1.000	0.021	1.3	0.274	140	21	0.3	32	0.03	55.62	0.03	
	A	2.35	12		1778	1.8	1.000	0.021	1.3	0.274	140	329	6.0	555	0.55	55.60	0.59	
	A	2.00	15		3556	3.6	1.000	0.042	2.6	0.325	134	269	6.0	585	0.58	55.02	0.22	
	A	5.00	28		12964	13.0	1.000	0.155	9.4	0.305	51	256	0.0	256	0.26	54.10	0.34	
	A	5.00	28		12964	13.0	1.000	0.155	9.4	0.305	51	256	1.5	326	0.33	53.76	0.33	
	A	5.00	35		25928	25.9	1.000	0.310	18.8	0.391	60	299	0.5	338	0.34	54.30	0.21	
	A	5.00	35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.58	0.14	
	A	5.00	35		38892	38.9	1.000	0.464	28.3	0.586	124	618	0.0	618	0.62	54.44	0.14	
	A	5.00	35		38892	38.9	1.000	0.464	28.3	0.586	124	619	1.5	876	0.88	54.31	0.14	
	A	5.00	42		51856	51.9	1.000	0.619	37.7	0.526	80	398	0.5	467	0.47	54.70	0.12	
	A	5.00	42		59284	59.3	1.000	0.708	43.1	0.601	101	507	0.5	597	0.60	54.76	0.11	
	A	11.00	42		68692	68.7	1.000	0.820	49.9	0.697	132	1454	1.5	1819	1.82	54.91	0.21	
	A	6.50	54		81449	81.4	1.000	0.973	59.2	0.483	49	319	0.3	354	0.35	55.09	0.13	
	A	0.45	54		81449	81.4	1.000	0.973	59.2	0.483	49	22	1.0	139	0.14	54.96	0.01	
	A	2.00	54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03	
	A	2.10	76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01	
	A	3.05	76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02	
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 60-1 in the room:																	
	Δpdisp = 62529 Pa Δpgr = 277 Pa Δp = 62529 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 43.20 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95	76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05	
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
	A	2.00	54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07	
	A	12.00	22		10396	10.4	1.000	0.124	7.7	0.423	116	1396	1.0	1486	1.49	79.87	1.64	
	A	1.50	22		10396	10.4	1.000	0.124	7.7	0.423	117	175	1.8	336	0.34	78.23	0.16	
	A	0.70	12		1485	1.5	1.000	0.018	1.1	0.232	95	66	1417.5	38234	38.23	78.07	0.39	
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.106 m³/h		Δp = 38127 Pa											
	60-1		Φr = 1485 W Aut. = Δp = 1000 Pa															
	A	0.25	12		1485	1.5	1.000	0.018	1.1	0.229	101	25	2.7	96	0.10	57.69	0.08	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 62 Pa											
	A	0.15	12		1485	1.5	1.000	0.018	1.1	0.229	102	15	0.3	23	0.02	57.61	0.03	
	A	2.45	12		1485	1.5	1.000	0.018	1.1	0.229	102	249	3.0	328	0.33	57.57	0.79	
	A	0.65	22		10396	10.4	1.000	0.124	7.6	0.418	124	80	0.3	107	0.11	56.00	0.04	
	A	12.00	22		10396	10.4	1.000	0.124	7.6	0.418	124	1488	1.5	1619	1.62	55.96	0.87	
	A	2.00	54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03	
	A	2.10	76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01	
	A	3.05	76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02	
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 60-2 in the room:																	
	Δpdisp = 62529 Pa Δpgr = 277 Pa Δp = 62529 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 43.20 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95	76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05	
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
	A	2.00	54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07	
	A	12.00	22		10396	10.4	1.000	0.124	7.7	0.423	116	1396	1.0	1486	1.49	79.87	1.64	
	A	1.50	22		10396	10.4	1.000	0.124	7.7	0.423	117	175	1.8	336	0.34	78.23	0.16	
	A	0.85	12		1485	1.5	1.000	0.018	1.1	0.232	95	81	1417.6	38250	38.25	78.07	0.47	
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.106 m³/h		Δp = 38129 Pa											

	60-2			Φr = 1485 W Aut. =				Δp = 1000 Pa										
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.229	102	20	2.7	90	0.09	57.60	0.06
	RLV-S		dn = 15 mm	kv = 2.600				Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.229	102	15	0.3	23	0.02	57.54	0.03
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.229	102	239	3.0	318	0.32	57.51	0.75
	A	0.65		22		10396	10.4	1.000	0.124	7.6	0.418	124	80	0.3	107	0.11	56.00	0.04
	A	12.00		22		10396	10.4	1.000	0.124	7.6	0.418	124	1488	1.5	1619	1.62	55.96	0.87
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 73-1 in the room:																	
	Δpdisp = 62802 Pa Δpgr = 550 Pa Δp = 62802 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 49.40 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090				Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm	kv = 488.696				Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm	kv = 488.696				Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	12.00		22		10396	10.4	1.000	0.124	7.7	0.423	116	1396	1.0	1486	1.49	79.87	1.64
	A	1.50		22		10396	10.4	1.000	0.124	7.7	0.423	117	175	1.8	336	0.34	78.23	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	313	0.31	78.07	0.45
	A	0.70		12		1485	1.5	1.000	0.018	1.1	0.232	95	66	1402.3	37804	37.80	77.63	0.38
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.107 m³/h				Δp = 37697 Pa										
	73-1			Φr = 1485 W Aut. =				Δp = 1000 Pa										
	A	0.25		12		1485	1.5	1.000	0.018	1.1	0.229	102	25	2.7	96	0.10	57.24	0.08
	RLV-S		dn = 15 mm	kv = 2.600				Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.229	102	15	0.3	23	0.02	57.16	0.03
	A	2.45		12		1485	1.5	1.000	0.018	1.1	0.229	102	250	3.0	329	0.33	57.13	0.77
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.298	68	212	4.0	390	0.39	55.94	0.24
	A	0.65		22		10396	10.4	1.000	0.124	7.6	0.418	124	80	0.3	107	0.11	56.00	0.04
	A	12.00		22		10396	10.4	1.000	0.124	7.6	0.418	124	1488	1.5	1619	1.62	55.96	0.87
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 73-1 in the room:																	
	Δpdisp = 62802 Pa Δpgr = 550 Pa Δp = 62802 Pa Δpover = 0 Pa ΔH = 6.00 m LCIR = 49.40 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090				Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm	kv = 488.696				Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm	kv = 488.696				Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	12.00		22		10396	10.4	1.000	0.124	7.7	0.423	116	1396	1.0	1486	1.49	79.87	1.64
	A	1.50		22		10396	10.4	1.000	0.124	7.7	0.423	117	175	1.8	336	0.34	78.23	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	313	0.31	78.07	0.45
	A	0.85		12		1485	1.5	1.000	0.018	1.1	0.232	95	81	1402.4	37820	37.82	77.63	0.47
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.107 m³/h				Δp = 37698 Pa										
	73-1			Φr = 1485 W Aut. =				Δp = 1000 Pa										
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.229	102	20	2.7	90	0.09	57.16	0.06
	RLV-S		dn = 15 mm	kv = 2.600				Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.229	102	15	0.3	23	0.02	57.10	0.03
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.229	102	239	3.0	318	0.32	57.06	0.74
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.298	68	212	4.0	390	0.39	55.94	0.24
	A	0.65		22		10396	10.4	1.000	0.124	7.6	0.418	124	80	0.3	107	0.11	56.00	0.04
	A	12.00		22		10396	10.4	1.000	0.124	7.6	0.418	124	1488	1.5	1619	1.62	55.96	0.87
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 79-2 in the room:																	
	Δpdisp = 63068 Pa Δpgr = 816 Pa Δp = 63068 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 55.60 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090				Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm	kv = 488.696				Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm	kv = 488.696				Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	12.00		22		10396	10.4	1.000	0.124	7.7	0.423	116	1396	1.0	1486	1.49	79.87	1.64
	A	1.50		22		10396	10.4	1.000	0.124	7.7	0.423	117	175	1.8	336	0.34	78.23	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	313	0.31	78.07	0.45
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	417	0.42	77.63	0.60

	A	0.85		15		2228	2.2	1.000	0.027	1.6	0.206	55	47	1751.9	37178	37.18	77.03	0.37
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.162 m³/h Δp = 37014 Pa															
	79-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.65	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.60	0.03
	A	2.35		15		2228	2.2	1.000	0.027	1.6	0.204	59	139	8.0	305	0.30	56.58	0.59
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	228	6.0	445	0.44	56.00	0.33
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.298	68	212	4.0	390	0.39	55.94	0.24
	A	0.65		22		10396	10.4	1.000	0.124	7.6	0.418	124	80	0.3	107	0.11	56.00	0.04
	A	12.00		22		10396	10.4	1.000	0.124	7.6	0.418	124	1488	1.5	1619	1.62	55.96	0.87
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 79-1 in the room:																	
	Δpdisp = 63067 Pa Δpgr = 816 Pa Δp = 63067 Pa Δpover = 0 Pa ΔH = 9.10 m LCIR = 55.60 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	2.00		54		91845	91.8	1.000	1.097	67.7	0.553	58	115	3.5	649	0.65	79.93	0.07
	A	12.00		22		10396	10.4	1.000	0.124	7.7	0.423	116	1396	1.0	1486	1.49	79.87	1.64
	A	1.50		22		10396	10.4	1.000	0.124	7.7	0.423	117	175	1.8	336	0.34	78.23	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	313	0.31	78.07	0.45
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	417	0.42	77.63	0.60
	A	0.70		15		2228	2.2	1.000	0.027	1.6	0.206	55	39	1751.8	37169	37.17	77.03	0.31
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.162 m³/h Δp = 37014 Pa															
	79-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.72	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.66	0.03
	A	2.45		15		2228	2.2	1.000	0.027	1.6	0.204	59	145	8.0	311	0.31	56.63	0.62
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	228	6.0	445	0.44	56.00	0.33
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.298	68	212	4.0	390	0.39	55.94	0.24
	A	0.65		22		10396	10.4	1.000	0.124	7.6	0.418	124	80	0.3	107	0.11	56.00	0.04
	A	12.00		22		10396	10.4	1.000	0.124	7.6	0.418	124	1488	1.5	1619	1.62	55.96	0.87
	A	2.00		54		91845	91.8	1.000	1.097	66.8	0.545	61	122	4.0	716	0.72	54.97	0.03
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 60-3 in the room:																	
	Δpdisp = 62527 Pa Δpgr = 275 Pa Δp = 62527 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 17.10 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.91	0.16
	A	0.70		12		1485	1.5	1.000	0.018	1.1	0.232	94	66	1539.1	41594	41.59	79.76	0.40
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.102 m³/h Δp = 41488 Pa															
	60-3		Φr = 1485 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1485	1.5	1.000	0.018	1.1	0.230	101	25	2.7	95	0.10	59.35	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 62 Pa															
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	59.27	0.04
	A	2.45		12		1485	1.5	1.000	0.018	1.1	0.230	101	247	3.0	327	0.33	59.23	0.83
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.58	0.04
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 60-4 in the room:																	
	Δpdisp = 62527 Pa Δpgr = 275 Pa Δp = 62527 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 17.10 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.91	0.16

	A	0.85		12		1485	1.5	1.000	0.018	1.1	0.232	94	80	1539.2	41609	41.61	79.76	0.49
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.102 m³/h Δp = 41489 Pa															
	60-4		Φr = 1485 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.230	101	20	2.7	90	0.09	59.27	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 62 Pa															
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	59.20	0.04
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.230	101	237	3.0	316	0.32	59.16	0.79
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.58	0.04
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 73-3 in the room:																	
	Δpdisp = 62805 Pa Δpgr = 554 Pa Δp = 62805 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 23.30 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.91	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.76	0.46
	A	0.70		12		1485	1.5	1.000	0.018	1.1	0.232	95	66	1524.3	41171	41.17	79.29	0.40
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.102 m³/h Δp = 41064 Pa															
	73-3		Φr = 1485 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1485	1.5	1.000	0.018	1.1	0.230	101	25	2.7	95	0.10	58.89	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 62 Pa															
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	58.81	0.04
	A	2.45		12		1485	1.5	1.000	0.018	1.1	0.230	101	248	3.0	327	0.33	58.77	0.82
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.52	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.58	0.04
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 73-4 in the room:																	
	Δpdisp = 62806 Pa Δpgr = 554 Pa Δp = 62806 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 23.30 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.91	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.76	0.46
	A	0.85		12		1485	1.5	1.000	0.018	1.1	0.232	95	80	1524.4	41186	41.19	79.29	0.48
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.102 m³/h Δp = 41066 Pa															
	73-4		Φr = 1485 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.230	101	20	2.7	90	0.09	58.81	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 62 Pa															
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	58.74	0.04
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.230	101	238	3.0	317	0.32	58.71	0.78
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.52	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.58	0.04
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 79-4 in the room:																	
	Δpdisp = 63077 Pa Δpgr = 825 Pa Δp = 63077 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 29.50 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.91	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.76	0.46
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	79.29	0.62
	A	0.85		15		2228	2.2	1.000	0.027	1.6	0.206	55	47	1907.2	40550	40.55	78.67	0.39
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.155 m³/h Δp = 40387 Pa															

	79-4						Φr = 2228 W Aut. =		Δp = 1000 Pa									
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	58.28	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 140 Pa										
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.23	0.03
	A	2.35		15		2228	2.2	1.000	0.027	1.6	0.204	59	138	8.0	304	0.30	58.20	0.62
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	73	227	6.0	444	0.44	57.59	0.35
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.52	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.58	0.04
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 79-3 in the room:																	
	Δpdisp = 63076 Pa Δpgr = 825 Pa Δp = 63076 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 29.50 m																	
	GRANA 1								ΔpHS = 10000 Pa									
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.91	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.76	0.46
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	79.29	0.62
	A	0.70		15		2228	2.2	1.000	0.027	1.6	0.206	55	38	1907.1	40541	40.54	78.67	0.32
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h		kv = 0.155 m³/h			Δp = 40386 Pa										
	79-3						Φr = 2228 W Aut. =		Δp = 1000 Pa									
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.35	0.07
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 140 Pa										
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.28	0.03
	A	2.45		15		2228	2.2	1.000	0.027	1.6	0.204	59	144	8.0	310	0.31	58.25	0.65
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	73	227	6.0	444	0.44	57.59	0.35
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.52	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.58	0.04
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 60-6 in the room:																	
	Δpdisp = 62526 Pa Δpgr = 275 Pa Δp = 62526 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 27.10 m																	
	GRANA 1								ΔpHS = 10000 Pa									
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.79	0.16
	A	0.70		12		1485	1.5	1.000	0.018	1.1	0.232	94	66	1521.9	41124	41.12	79.63	0.40
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h		kv = 0.103 m³/h			Δp = 41017 Pa										
	60-6						Φr = 1485 W Aut. =		Δp = 1000 Pa									
	A	0.25		12		1485	1.5	1.000	0.018	1.1	0.230	101	25	2.7	95	0.10	59.23	0.09
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	59.15	0.04
	A	2.45		12		1485	1.5	1.000	0.018	1.1	0.230	101	248	3.0	327	0.33	59.11	0.83
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.47	0.04
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 60-5 in the room:																	
	Δpdisp = 62527 Pa Δpgr = 275 Pa Δp = 62527 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 27.10 m																	
	GRANA 1								ΔpHS = 10000 Pa									
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.79	0.16
	A	0.85		12		1485	1.5	1.000	0.018	1.1	0.232	94	80	1522.0	41139	41.14	79.63	0.49
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h		kv = 0.103 m³/h			Δp = 41019 Pa										

	60-5							Φr = 1485 W Aut. =		Δp = 1000 Pa								
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.230	101	20	2.7	90	0.09	59.15	0.07
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	59.08	0.04
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.230	101	238	3.0	317	0.32	59.04	0.79
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.47	0.04
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 73-6 in the room:																	
	Δpdisp = 62805 Pa Δpgr = 553 Pa Δp = 62805 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 33.30 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.79	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.63	0.46
	A	0.70		12		1485	1.5	1.000	0.018	1.1	0.232	95	66	1507.1	40700	40.70	79.17	0.40
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.103 m³/h			Δp = 40594 Pa										
	73-6							Φr = 1485 W Aut. =		Δp = 1000 Pa								
	A	0.25		12		1485	1.5	1.000	0.018	1.1	0.230	101	25	2.7	96	0.10	58.77	0.08
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	58.69	0.04
	A	2.45		12		1485	1.5	1.000	0.018	1.1	0.230	101	248	3.0	327	0.33	58.65	0.81
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.41	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.47	0.04
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 73-5 in the room:																	
	Δpdisp = 62805 Pa Δpgr = 553 Pa Δp = 62805 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 33.30 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.79	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.63	0.46
	A	0.85		12		1485	1.5	1.000	0.018	1.1	0.232	95	80	1507.2	40716	40.72	79.17	0.48
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.103 m³/h			Δp = 40595 Pa										
	73-5							Φr = 1485 W Aut. =		Δp = 1000 Pa								
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.230	101	20	2.7	90	0.09	58.69	0.07
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	58.62	0.04
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.230	101	238	3.0	317	0.32	58.59	0.78
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.41	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.47	0.04
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 79-5 in the room:																	
	Δpdisp = 63076 Pa Δpgr = 824 Pa Δp = 63076 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 39.50 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.79	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.63	0.46
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	79.17	0.62

	A	0.85		15		2228	2.2	1.000	0.027	1.6	0.206	55	47	1885.3	40079	40.08	78.55	0.38
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.156 m³/h Δp = 39916 Pa															
	79-5		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	58.16	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.11	0.03
	A	2.35		15		2228	2.2	1.000	0.027	1.6	0.204	59	138	8.0	304	0.30	58.08	0.62
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	73	227	6.0	444	0.44	57.48	0.35
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.41	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.47	0.04
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 79-6 in the room:																	
	Δpdisp = 63075 Pa Δpgr = 824 Pa Δp = 63075 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 39.50 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	168	3.0	437	0.44	79.79	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.63	0.46
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	79.17	0.62
	A	0.70		15		2228	2.2	1.000	0.027	1.6	0.206	55	38	1885.2	40070	40.07	78.55	0.32
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.156 m³/h Δp = 39915 Pa															
	79-6		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.23	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.16	0.03
	A	2.45		15		2228	2.2	1.000	0.027	1.6	0.204	59	144	8.0	310	0.31	58.14	0.65
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	73	227	6.0	444	0.44	57.48	0.35
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.41	0.26
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.47	0.04
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 60-7 in the room:																	
	Δpdisp = 62526 Pa Δpgr = 275 Pa Δp = 62526 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 37.10 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	169	3.0	437	0.44	79.66	0.16
	A	0.70		12		1485	1.5	1.000	0.018	1.1	0.232	94	66	1506.6	40706	40.71	79.50	0.40
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.103 m³/h Δp = 40599 Pa															
	60-7		Φr = 1485 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1485	1.5	1.000	0.018	1.1	0.230	101	25	2.7	95	0.10	59.10	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 62 Pa															
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	59.02	0.04
	A	2.45		12		1485	1.5	1.000	0.018	1.1	0.230	101	248	3.0	327	0.33	58.98	0.82
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.35	0.04
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 60-8 in the room:																	
	Δpdisp = 62527 Pa Δpgr = 275 Pa Δp = 62527 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 37.10 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															

	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	169	3.0	437	0.44	79.66	0.16
	A	0.85		12		1485	1.5	1.000	0.018	1.1	0.232	94	80	1506.8	40721	40.72	79.50	0.49
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.103 m³/h			Δp = 40600 Pa										
	60-8		Φr = 1485 W Aut. =						Δp = 1000 Pa									
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.230	101	20	2.7	90	0.09	59.02	0.07
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	58.95	0.04
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.230	101	238	3.0	317	0.32	58.92	0.79
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.35	0.04
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
	Riser/Plot: / Circulation by the receiver: 73-7 in the room:																	
	Δpdisp = 62804 Pa Δpgr = 552 Pa Δp = 62804 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 43.30 m																	
	GRANA 1									ΔpHS = 10000 Pa								
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	169	3.0	437	0.44	79.66	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.50	0.46
	A	0.70		12		1485	1.5	1.000	0.018	1.1	0.232	95	66	1491.8	40282	40.28	79.04	0.40
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.104 m³/h			Δp = 40175 Pa										
	73-7		Φr = 1485 W Aut. =						Δp = 1000 Pa									
	A	0.25		12		1485	1.5	1.000	0.018	1.1	0.230	101	25	2.7	96	0.10	58.65	0.08
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	58.56	0.04
	A	2.45		12		1485	1.5	1.000	0.018	1.1	0.230	101	248	3.0	327	0.33	58.53	0.81
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.28	0.25
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.35	0.04
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
	Riser/Plot: / Circulation by the receiver: 73-8 in the room:																	
	Δpdisp = 62804 Pa Δpgr = 553 Pa Δp = 62804 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 43.30 m																	
	GRANA 1									ΔpHS = 10000 Pa								
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	1.45		22		10396	10.4	1.000	0.124	7.7	0.423	116	169	3.0	437	0.44	79.66	0.16
	A	3.10		22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.50	0.46
	A	0.85		12		1485	1.5	1.000	0.018	1.1	0.232	95	80	1491.9	40297	40.30	79.04	0.48
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.104 m³/h			Δp = 40176 Pa										
	73-8		Φr = 1485 W Aut. =						Δp = 1000 Pa									
	A	0.20		12		1485	1.5	1.000	0.018	1.1	0.230	101	20	2.7	90	0.09	58.56	0.07
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 62 Pa										
	A	0.15		12		1485	1.5	1.000	0.018	1.1	0.230	101	15	0.3	23	0.02	58.50	0.04
	A	2.35		12		1485	1.5	1.000	0.018	1.1	0.230	101	238	3.0	317	0.32	58.46	0.78
	A	3.10		22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.28	0.25
	A	0.60		22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.35	0.04
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										

Riser/Plot: / Circulation by the receiver: 79-8 in the room:																		
Δpdisp = 63075 Pa Δpgr = 823 Pa Δp = 63075 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 49.50 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
A	1.45			22		10396	10.4	1.000	0.124	7.7	0.423	116	169	3.0	437	0.44	79.66	0.16
A	3.10			22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.50	0.46
A	3.10			18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	79.04	0.62
A	0.85			15		2228	2.2	1.000	0.027	1.6	0.206	55	47	1865.9	39660	39.66	78.42	0.38
RA-DV S			Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.157 m³/h			Δp = 39497 Pa										
79-8			Φr = 2228 W Aut. = Δp = 1000 Pa															
A	0.20			15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	58.04	0.05
RLV-S			dn = 15 mm		kv = 2.600			Δp = 140 Pa										
A	0.15			15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.99	0.03
A	2.35			15		2228	2.2	1.000	0.027	1.6	0.204	59	138	8.0	304	0.30	57.96	0.62
A	3.10			18		4456	4.5	1.000	0.053	3.2	0.269	73	227	6.0	444	0.44	57.35	0.35
A	3.10			22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.28	0.25
A	0.60			22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.35	0.04
A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
MSV-F2 PN16			Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 79-7 in the room:																		
Δpdisp = 63074 Pa Δpgr = 823 Pa Δp = 63074 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 49.50 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
A	1.45			22		10396	10.4	1.000	0.124	7.7	0.423	116	169	3.0	437	0.44	79.66	0.16
A	3.10			22		7426	7.4	1.000	0.089	5.5	0.302	64	198	2.5	312	0.31	79.50	0.46
A	3.10			18		4456	4.5	1.000	0.053	3.3	0.272	69	213	5.5	416	0.42	79.04	0.62
A	0.70			15		2228	2.2	1.000	0.027	1.6	0.206	55	38	1865.7	39651	39.65	78.42	0.32
RA-DV S			Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.157 m³/h			Δp = 39496 Pa										
79-7			Φr = 2228 W Aut. = Δp = 1000 Pa															
A	0.25			15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.11	0.07
RLV-S			dn = 15 mm		kv = 2.600			Δp = 140 Pa										
A	0.15			15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.04	0.03
A	2.45			15		2228	2.2	1.000	0.027	1.6	0.204	59	144	8.0	310	0.31	58.01	0.64
A	3.10			18		4456	4.5	1.000	0.053	3.2	0.269	73	227	6.0	444	0.44	57.35	0.35
A	3.10			22		7426	7.4	1.000	0.089	5.4	0.299	68	211	4.0	389	0.39	57.28	0.25
A	0.60			22		10396	10.4	1.000	0.124	7.6	0.418	123	74	1.0	161	0.16	57.35	0.04
A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
MSV-F2 PN16			Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 59-1 in the room:																		
Δpdisp = 62528 Pa Δpgr = 276 Pa Δp = 62528 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 43.10 m																		
GRANA 1														ΔpHS = 10000 Pa				
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
A	1.45			18		4977	5.0	1.000	0.059	3.7	0.304	83	121	3.5	283	0.28	79.60	0.26
A	0.85			12		1422	1.4	1.000	0.017	1.0	0.222	88	75	1578.6	39108	39.11	79.33	0.50
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.101 m³/h			Δp = 38996 Pa										
59-1			Φr = 1422 W Aut. = Δp = 1000 Pa															

	A	0.20		12		1422	1.4	1.000	0.017	1.0	0.220	94	19	2.7	83	0.08	58.83	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 57 Pa												
	A	0.15		12		1422	1.4	1.000	0.017	1.0	0.220	94	14	0.3	21	0.02	58.76	0.04
	A	2.35		12		1422	1.4	1.000	0.017	1.0	0.220	94	221	3.0	293	0.29	58.72	0.82
	A	0.60		18		4977	5.0	1.000	0.059	3.6	0.300	89	53	1.0	99	0.10	56.62	0.06
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 72-1 in the room:																	
	Δpdisp = 62812 Pa Δpgr = 561 Pa Δp = 62812 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 49.30 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	1.45		18		4977	5.0	1.000	0.059	3.7	0.304	83	121	3.5	283	0.28	79.60	0.26
	A	3.10		15		3555	3.6	1.000	0.042	2.6	0.329	125	386	3.0	549	0.55	79.33	0.65
	A	0.85		12		1422	1.4	1.000	0.017	1.0	0.222	88	75	1540.6	38139	38.14	78.68	0.50
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.102 m³/h		Δp = 38027 Pa												
	72-1									Φr = 1422 W	Aut. =		Δp = 1000 Pa					
	A	0.20		12		1422	1.4	1.000	0.017	1.0	0.220	94	19	2.7	83	0.08	58.18	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 57 Pa												
	A	0.15		12		1422	1.4	1.000	0.017	1.0	0.220	94	14	0.3	21	0.02	58.11	0.04
	A	2.35		12		1422	1.4	1.000	0.017	1.0	0.220	94	221	3.0	294	0.29	58.08	0.80
	A	3.10		15		3555	3.6	1.000	0.042	2.6	0.325	133	414	5.5	704	0.70	56.46	0.35
	A	0.60		18		4977	5.0	1.000	0.059	3.6	0.300	89	53	1.0	99	0.10	56.62	0.06
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 78-1 in the room:																	
	Δpdisp = 63086 Pa Δpgr = 835 Pa Δp = 63086 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 55.50 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	1.45		18		4977	5.0	1.000	0.059	3.7	0.304	83	121	3.5	283	0.28	79.60	0.26
	A	3.10		15		3555	3.6	1.000	0.042	2.6	0.329	125	386	3.0	549	0.55	79.33	0.65
	A	3.10		15		2133	2.1	1.000	0.025	1.6	0.197	51	158	4.5	245	0.25	78.68	1.07
	A	0.85		15		2133	2.1	1.000	0.025	1.6	0.197	51	43	1949.5	37941	37.94	77.61	0.39
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.153 m³/h		Δp = 37853 Pa												
	78-1									Φr = 2133 W	Aut. =		Δp = 1000 Pa					
	A	0.20		15		2133	2.1	1.000	0.025	1.6	0.195	55	11	7.1	145	0.15	57.22	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 128 Pa												
	A	0.15		15		2133	2.1	1.000	0.025	1.6	0.195	55	8	0.3	14	0.01	57.16	0.03
	A	2.35		15		2133	2.1	1.000	0.025	1.6	0.195	55	129	4.3	210	0.21	57.14	0.63
	A	3.10		15		2133	2.1	1.000	0.025	1.6	0.195	55	170	4.5	256	0.26	56.51	0.59
	A	3.10		15		3555	3.6	1.000	0.042	2.6	0.325	133	414	5.5	704	0.70	56.46	0.35
	A	0.60		18		4977	5.0	1.000	0.059	3.6	0.300	89	53	1.0	99	0.10	56.62	0.06
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 59-2 in the room:																	
	Δpdisp = 62528 Pa Δpgr = 276 Pa Δp = 62528 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 49.10 m																	

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	1.45			18		4977	5.0	1.000	0.059	3.7	0.304	83	121	3.5	283	0.28	79.53	0.26
	A	0.85			12		1422	1.4	1.000	0.017	1.0	0.222	88	75	1530.6	37918	37.92	79.27	0.50
	RA-DV S		Preset: 6		dn = 15 mm														
			Q = m³/h		kv = 0.102 m³/h		Δp = 37807 Pa												
	59-2												Φr = 1422 W Aut. =		Δp = 1000 Pa				
	A	0.20			12		1422	1.4	1.000	0.017	1.0	0.220	94	19	2.7	83	0.08	58.77	0.07
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 57 Pa												
	A	0.15			12		1422	1.4	1.000	0.017	1.0	0.220	94	14	0.3	21	0.02	58.69	0.04
	A	2.35			12		1422	1.4	1.000	0.017	1.0	0.220	94	221	3.0	293	0.29	58.66	0.82
	A	0.60			18		4977	5.0	1.000	0.059	3.6	0.300	89	53	1.0	99	0.10	56.56	0.06
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm														
			kv = 69.300 m³/h		Δp = 2949 Pa														

Riser/Plot: / Circulation by the receiver: 72-2 in the room:

Δpdisp = 62812 Pa Δpgr = 560 Pa Δp = 62812 Pa Δpover = 0 Pa ΔH = 5.95 m LCIR = 55.30 m

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	1.45			18		4977	5.0	1.000	0.059	3.7	0.304	83	121	3.5	283	0.28	79.53	0.26
	A	3.10			15		3555	3.6	1.000	0.042	2.6	0.329	125	387	3.0	549	0.55	79.27	0.65
	A	0.85			12		1422	1.4	1.000	0.017	1.0	0.222	88	75	1492.6	36949	36.95	78.62	0.50
	RA-DV S		Preset: 6		dn = 15 mm														
			Q = m³/h		kv = 0.104 m³/h		Δp = 36837 Pa												
	72-2												Φr = 1422 W Aut. =		Δp = 1000 Pa				
	A	0.20			12		1422	1.4	1.000	0.017	1.0	0.220	94	19	2.7	83	0.08	58.12	0.07
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 57 Pa												
	A	0.15			12		1422	1.4	1.000	0.017	1.0	0.220	94	14	0.3	21	0.02	58.05	0.04
	A	2.35			12		1422	1.4	1.000	0.017	1.0	0.220	94	221	3.0	294	0.29	58.01	0.80
	A	3.10			15		3555	3.6	1.000	0.042	2.6	0.325	134	414	5.5	704	0.70	56.40	0.35
	A	0.60			18		4977	5.0	1.000	0.059	3.6	0.300	89	53	1.0	99	0.10	56.56	0.06
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm														
			kv = 69.300 m³/h		Δp = 2949 Pa														

Riser/Plot: / Circulation by the receiver: 78-2 in the room:

Δpdisp = 63086 Pa Δpgr = 834 Pa Δp = 63086 Pa Δpover = 0 Pa ΔH = 9.05 m LCIR = 61.50 m

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	1.45			18		4977	5.0	1.000	0.059	3.7	0.304	83	121	3.5	283	0.28	79.53	0.26
	A	3.10			15		3555	3.6	1.000	0.042	2.6	0.329	125	387	3.0	549	0.55	79.27	0.65
	A	3.10			15		2133	2.1	1.000	0.025	1.6	0.197	51	158	4.5	245	0.25	78.62	1.07
	A	0.85			15		2133	2.1	1.000	0.025	1.6	0.197	51	43	1888.5	36751	36.75	77.55	0.39
	RA-DV S		Preset: 7		dn = 15 mm														

			Q = m³/h	kv = 0.156 m³/h	Δp = 36663 Pa													
	78-2		Φr = 2133 W Aut. = Δp = 1000 Pa															
	A	0.20	15	2133	2.1	1.000	0.025	1.6	0.195	55	11	7.1	145	0.15	57.16	0.05		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 128 Pa													
	A	0.15	15	2133	2.1	1.000	0.025	1.6	0.195	55	8	0.3	14	0.01	57.10	0.03		
	A	2.35	15	2133	2.1	1.000	0.025	1.6	0.195	55	129	4.3	210	0.21	57.07	0.63		
	A	3.10	15	2133	2.1	1.000	0.025	1.6	0.195	55	170	4.5	256	0.26	56.45	0.58		
	A	3.10	15	3555	3.6	1.000	0.042	2.6	0.325	134	414	5.5	704	0.70	56.40	0.35		
	A	0.60	18	4977	5.0	1.000	0.059	3.6	0.300	89	53	1.0	99	0.10	56.56	0.06		
	A	3.00	54	144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03		
	A	3.00	54	149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03		
	A	5.00	76	160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07		
	A	5.00	76	170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06		
	A	1.00	76	180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01		
	A	2.10	76	272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01		
	A	3.05	76	272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02		
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 57-1 in the room:																	
	Δpdisp = 62540 Pa Δpgr = 289 Pa Δp = 62540 Pa Δpover = 0 Pa ΔH = 3.00 m LCIR = 59.01 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95	76	272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 3659 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	A	1.40	76	272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02		
	A	1.00	76	180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02		
	A	5.00	76	170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12		
	A	5.00	76	160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13		
	A	3.00	54	149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06		
	A	3.00	54	144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06		
	A	4.00	54	139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09		
	A	0.75	22	6932	6.9	1.000	0.083	5.1	0.282	56	42	1.5	102	0.10	79.44	0.12		
	A	3.15	15	2476	2.5	1.000	0.030	1.8	0.229	66	208	3.5	300	0.30	79.33	1.29		
	A	0.85	15	2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	78.03	0.25		
	A	0.40	12	1238	1.2	1.000	0.015	0.9	0.193	69	28	1942.9	36376	36.38	77.78	0.26		
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.091 m³/h	Δp = 36283 Pa													
	57-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25	12	1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	57.52	0.10		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 43 Pa													
	A	0.15	12	1238	1.2	1.000	0.015	0.9	0.191	74	11	1.0	29	0.03	57.42	0.04		
	A	1.20	15	2476	2.5	1.000	0.030	1.8	0.226	71	85	5.0	213	0.21	56.60	0.27		
	A	0.75	22	6932	6.9	1.000	0.083	5.0	0.279	60	45	1.0	84	0.08	56.36	0.06		
	A	4.00	54	139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04		
	A	3.00	54	144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03		
	A	3.00	54	149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03		
	A	5.00	76	160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07		
	A	5.00	76	170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06		
	A	1.00	76	180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01		
	A	2.10	76	272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01		
	A	3.05	76	272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02		
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 57-2 in the room:																	
	Δpdisp = 62540 Pa Δpgr = 289 Pa Δp = 62540 Pa Δpover = 0 Pa ΔH = 3.00 m LCIR = 63.11 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95	76	272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 3659 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 61 Pa													
	A	1.40	76	272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02		
	A	1.00	76	180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02		
	A	5.00	76	170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12		
	A	5.00	76	160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13		
	A	3.00	54	149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06		
	A	3.00	54	144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06		
	A	4.00	54	139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09		
	A	0.75	22	6932	6.9	1.000	0.083	5.1	0.282	56	42	1.5	102	0.10	79.44	0.12		
	A	3.15	15	2476	2.5	1.000	0.030	1.8	0.229	66	208	3.5	300	0.30	79.33	1.29		
	A	0.85	15	2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	78.03	0.25		
	A	0.45	12	1238	1.2	1.000	0.015	0.9	0.193	69	31	1924.0	36026	36.03	77.78	0.30		
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.091 m³/h	Δp = 35929 Pa													
	57-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20	12	1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	64	0.06	57.49	0.08		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 43 Pa													
	A	0.15	12	1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.41	0.04		
	A	4.10	12	1238	1.2	1.000	0.015	0.9	0.191	74	303	3.5	367	0.37	57.37	1.55		
	A	1.20	15	2476	2.5	1.000	0.030	1.8	0.226	71	85	5.0	213	0.21	56.60	0.27		
	A	0.75	22	6932	6.9	1.000	0.083	5.0	0.279	60	45	1.0	84	0.08	56.36	0.06		
	A	4.00	54	139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04		

	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 69-1 in the room:

Δpdisp = 62819 Pa Δpgr = 568 Pa Δp = 62819 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 65.21 m

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	0.75		22		6932	6.9	1.000	0.083	5.1	0.282	56	42	1.5	102	0.10	79.44	0.12
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	79.33	0.63
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	78.70	0.83
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	217	0.22	77.87	0.17
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1693.5	35949	35.95	77.70	0.18
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.164 m³/h Δp = 35853 Pa															
	69-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	57.52	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.0	30	0.03	57.46	0.03
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	73	88	4.3	244	0.24	56.90	0.18
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	73	228	1.5	282	0.28	56.72	0.34
	A	0.75		22		6932	6.9	1.000	0.083	5.0	0.279	60	45	1.0	84	0.08	56.36	0.06
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 69-2 in the room:

Δpdisp = 62819 Pa Δpgr = 568 Pa Δp = 62819 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 69.31 m

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	0.75		22		6932	6.9	1.000	0.083	5.1	0.282	56	42	1.5	102	0.10	79.44	0.12
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	79.33	0.63
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	78.70	0.83
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	217	0.22	77.87	0.17
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1679.4	35652	35.65	77.70	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.165 m³/h Δp = 35553 Pa															
	69-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	57.50	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.45	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	242	3.5	314	0.31	57.42	1.05
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	73	88	4.3	244	0.24	56.90	0.18
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	73	228	1.5	282	0.28	56.72	0.34
	A	0.75		22		6932	6.9	1.000	0.083	5.0	0.279	60	45	1.0	84	0.08	56.36	0.06
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01

	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 52-1 in the room:																		
	Δpdisp = 62527 Pa Δpgr = 275 Pa Δp = 62527 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 86.10 m																		
	GRANA 1							ΔpHS = 10000 Pa											
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	0.30			22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	79.14	0.03
	A	0.60			22		10019	10.0	1.000	0.120	7.4	0.408	109	65	0.3	90	0.09	79.11	0.08
	A	1.75			18		4331	4.3	1.000	0.052	3.2	0.265	65	114	7.5	377	0.38	79.03	0.36
	A	0.85			12		1609	1.6	1.000	0.019	1.2	0.252	109	93	1019.4	32338	32.34	78.66	0.44
	RA-DV S			Preset: 6		dn = 15 mm													
				Q = m³/h		kv = 0.125 m³/h		Δp = 32198 Pa											
	52-1							Φr = 1609 W Aut. =			Δp = 1000 Pa								
	A	0.20			12		1609	1.6	1.000	0.019	1.2	0.249	116	23	2.7	106	0.11	58.22	0.06
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 73 Pa											
	A	0.15			12		1609	1.6	1.000	0.019	1.2	0.249	116	17	0.3	27	0.03	58.16	0.03
	A	2.35			12		1609	1.6	1.000	0.019	1.2	0.249	117	274	5.0	428	0.43	58.13	0.71
	A	1.10			18		4331	4.3	1.000	0.052	3.2	0.261	70	77	4.0	213	0.21	56.46	0.12
	A	0.80			22		10019	10.0	1.000	0.120	7.3	0.403	116	92	0.3	117	0.12	57.16	0.06
	A	0.50			22		10019	10.0	1.000	0.120	7.3	0.403	116	58	1.0	139	0.14	57.10	0.03
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 64-2 in the room:																		
	Δpdisp = 62817 Pa Δpgr = 565 Pa Δp = 62817 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 93.00 m																		
	GRANA 1							ΔpHS = 10000 Pa											
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	0.30			22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	79.14	0.03
	A	0.60			22		10019	10.0	1.000	0.120	7.4	0.408	109	65	0.3	90	0.09	79.11	0.08
	A	1.75			18		4331	4.3	1.000	0.052	3.2	0.265	65	114	7.5	377	0.38	79.03	0.36
	A	3.25			15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	78.66	0.88
	A	1.05			12		1361	1.4	1.000	0.016	1.0	0.213	82	86	1412.0	32005	32.01	77.79	0.63
	RA-DV S			Preset: 6		dn = 15 mm													
				Q = m³/h		kv = 0.107 m³/h		Δp = 31795 Pa											
	64-2							Φr = 1361 W Aut. =			Δp = 1000 Pa								
	A	0.20			12		1361	1.4	1.000	0.016	1.0	0.210	88	18	2.7	76	0.08	57.16	0.07
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 52 Pa											
	A	0.15			12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	57.09	0.04
	A	2.55			12		1361	1.4	1.000	0.016	1.0	0.210	88	224	6.0	356	0.36	57.05	0.88
	A	3.25			15		2722	2.7	1.000	0.033	2.0	0.249	84	272	1.5	319	0.32	56.38	0.48
	A	1.10			18		4331	4.3	1.000	0.052	3.2	0.261	70	77	4.0	213	0.21	56.46	0.12
	A	0.80			22		10019	10.0	1.000	0.120	7.3	0.403	116	92	0.3	117	0.12	57.16	0.06
	A	0.50			22		10019	10.0	1.000	0.120	7.3	0.403	116	58	1.0	139	0.14	57.10	0.03
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01

	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 64-1 in the room:																		
	Δpdisp = 62816 Pa Δpgr = 564 Pa Δp = 62816 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 92.20 m																		
	GRANA 1											ΔpHS = 10000 Pa							
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	0.30			22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	79.14	0.03
	A	0.60			22		10019	10.0	1.000	0.120	7.4	0.408	109	65	0.3	90	0.09	79.11	0.08
	A	1.75			18		4331	4.3	1.000	0.052	3.2	0.265	65	114	7.5	377	0.38	79.03	0.36
	A	3.25			15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	78.66	0.88
	A	0.50			12		1361	1.4	1.000	0.016	1.0	0.213	82	41	1414.7	32027	32.03	77.79	0.30
	RA-DV S			Preset: 6		dn = 15 mm													
				Q = m³/h		kv = 0.107 m³/h		Δp = 31862 Pa											
	64-1							Φr = 1361 W Aut. =			Δp = 1000 Pa								
	A	0.25			12		1361	1.4	1.000	0.016	1.0	0.210	87	22	2.7	81	0.08	57.48	0.09
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 52 Pa											
	A	0.15			12		1361	1.4	1.000	0.016	1.0	0.210	87	13	0.3	20	0.02	57.40	0.04
	A	2.25			12		1361	1.4	1.000	0.016	1.0	0.210	88	197	6.0	330	0.33	57.36	0.78
	A	3.25			15		2722	2.7	1.000	0.033	2.0	0.249	84	272	1.5	319	0.32	56.38	0.48
	A	1.10			18		4331	4.3	1.000	0.052	3.2	0.261	70	77	4.0	213	0.21	56.46	0.12
	A	0.80			22		10019	10.0	1.000	0.120	7.3	0.403	116	92	0.3	117	0.12	57.16	0.06
	A	0.50			22		10019	10.0	1.000	0.120	7.3	0.403	116	58	1.0	139	0.14	57.10	0.03
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 27-1 in the room:																		
	Δpdisp = 62257 Pa Δpgr = 6 Pa Δp = 62257 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 86.60 m																		
	GRANA 1											ΔpHS = 10000 Pa							
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	0.30			22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	79.14	0.03
	A	0.60			22		10019	10.0	1.000	0.120	7.4	0.408	109	65	0.3	90	0.09	79.11	0.08
	A	1.35			18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	79.03	0.21
	A	0.70			15		2844	2.8	1.000	0.034	2.1	0.263	84	59	903.7	31338	31.34	78.81	0.25
	RA-DV S			Preset: N		dn = 15 mm													
				Q = m³/h		kv = 0.225 m³/h		Δp = 31158 Pa											
	27-1							Φr = 2844 W Aut. =			Δp = 1000 Pa								
	A	0.25			15		2844	2.8	1.000	0.034	2.1	0.260	90	22	7.1	261	0.26	58.56	0.05
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 229 Pa											
	A	0.15			15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.51	0.02
	A	2.45			15		2844	2.8	1.000	0.034	2.1	0.260	90	220	6.0	423	0.42	58.49	0.51
	A	2.00			18		5688	5.7	1.000	0.068	4.1	0.343	112	224	6.0	578	0.58	57.96	0.18
	A	0.80			22		10019	10.0	1.000	0.120	7.3	0.403	116	92	0.3	117	0.12	57.16	0.06
	A	0.50			22		10019	10.0	1.000	0.120	7.3	0.403	116	58	1.0	139	0.14	57.10	0.03
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01

	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 27-2 in the room:																		
	Δpdisp = 62257 Pa Δpgr = 6 Pa Δp = 62257 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 86.60 m																		
	GRANA 1							ΔpHS = 10000 Pa											
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	0.30			22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	79.14	0.03
	A	0.60			22		10019	10.0	1.000	0.120	7.4	0.408	109	65	0.3	90	0.09	79.11	0.08
	A	1.35			18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	79.03	0.21
	A	0.85			15		2844	2.8	1.000	0.034	2.1	0.263	84	72	903.7	31352	31.35	78.81	0.30
	RA-DV S			Preset: N		dn = 15 mm													
				Q = m³/h		kv = 0.225 m³/h		Δp = 31159 Pa											
	27-2							Φr = 2844 W Aut. =			Δp = 1000 Pa								
	A	0.20			15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	58.51	0.04
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 229 Pa											
	A	0.15			15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.47	0.02
	A	2.35			15		2844	2.8	1.000	0.034	2.1	0.260	90	211	6.0	414	0.41	58.45	0.49
	A	2.00			18		5688	5.7	1.000	0.068	4.1	0.343	112	224	6.0	578	0.58	57.96	0.18
	A	0.80			22		10019	10.0	1.000	0.120	7.3	0.403	116	92	0.3	117	0.12	57.16	0.06
	A	0.50			22		10019	10.0	1.000	0.120	7.3	0.403	116	58	1.0	139	0.14	57.10	0.03
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 57-3 in the room:																		
	Δpdisp = 62539 Pa Δpgr = 287 Pa Δp = 62539 Pa Δpover = 0 Pa ΔH = 3.00 m LCIR = 121.01 m																		
	GRANA 1							ΔpHS = 10000 Pa											
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.75			22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.70	0.12
	A	3.15			15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	300	0.30	78.58	1.27
	A	0.85			15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.31	0.25
	A	0.40			12		1238	1.2	1.000	0.015	0.9	0.193	69	28	1557.6	29143	29.14	77.06	0.26
	RA-DV S			Preset: 6		dn = 15 mm													
				Q = m³/h		kv = 0.101 m³/h		Δp = 29050 Pa											
	57-3							Φr = 1238 W Aut. =			Δp = 1000 Pa								
	A	0.25			12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.80	0.09
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	74	11	1.0	29	0.03	56.71	0.04
	A	1.20			15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.90	0.27
	A	0.75			22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.67	0.06
	A	2.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01

	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 57-4 in the room:																		
	Δpdisp = 62539 Pa Δpgr = 287 Pa Δp = 62539 Pa Δpover = 0 Pa ΔH = 3.00 m LCIR = 125.11 m																		
	GRANA 1											ΔpHS = 10000 Pa							
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.75			22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.70	0.12
	A	3.15			15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	300	0.30	78.58	1.27
	A	0.85			15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.31	0.25
	A	0.45			12		1238	1.2	1.000	0.015	0.9	0.193	69	31	1538.8	28793	28.79	77.06	0.29
	RA-DV S			Preset: 6		dn = 15 mm													
				Q = m³/h		kv = 0.102 m³/h		Δp = 28697 Pa											
	57-4							Φr = 1238 W Aut. =			Δp = 1000 Pa								
	A	0.20			12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.77	0.08
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.69	0.04
	A	4.10			12		1238	1.2	1.000	0.015	0.9	0.191	74	303	3.5	366	0.37	56.65	1.51
	A	1.20			15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.90	0.27
	A	0.75			22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.67	0.06
	A	2.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16			Preset: 7		dn = 65 mm													
				kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 69-3 in the room:																		
	Δpdisp = 62815 Pa Δpgr = 564 Pa Δp = 62815 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 127.21 m																		
	GRANA 1											ΔpHS = 10000 Pa							
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER			dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.75			22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.70	0.12
	A	3.10			18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	78.58	0.62
	A	3.15			18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.96	0.82
	A	0.85			18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	77.14	0.16
	A	0.40			15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1353.6	28713	28.71	76.98	0.18
	RA-DV S			Preset: 7		dn = 15 mm													
				Q = m³/h		kv = 0.184 m³/h		Δp = 28617 Pa											
	69-3							Φr = 2228 W Aut. =			Δp = 1000 Pa								
	A	0.25			15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.81	0.06
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15			15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.0	30	0.03	56.74	0.03
	A	1.20			18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	56.20	0.18
	A	3.10			18		4456	4.5	1.000	0.053	3.2	0.269	74	228	1.5	282	0.28	56.02	0.33
	A	0.75			22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.67	0.06
	A	2.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04

	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 69-4 in the room:																	
	Δpdisp = 62815 Pa Δpgr = 564 Pa Δp = 62815 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 131.31 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.75		22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.70	0.12
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	78.58	0.62
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.96	0.82
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	77.14	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1339.5	28415	28.42	76.98	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.185 m³/h Δp = 28316 Pa															
	69-4		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.78	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.73	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	243	3.5	315	0.32	56.71	1.03
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	56.20	0.18
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	228	1.5	282	0.28	56.02	0.33
	A	0.75		22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.67	0.06
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 56-1 in the room:																	
	Δpdisp = 62539 Pa Δpgr = 287 Pa Δp = 62539 Pa Δpover = 0 Pa ΔH = 3.00 m LCIR = 122.01 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	0.75		22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.68	0.12
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	300	0.30	78.57	1.27
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.30	0.25
	A	0.40		12		1238	1.2	1.000	0.015	0.9	0.193	69	28	1540.0	28813	28.81	77.05	0.26
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.102 m³/h Δp = 28720 Pa															
	56-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.79	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	1.0	29	0.03	56.69	0.04

	A	1.20		15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.89	0.27
	A	0.75		22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.66	0.06
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 56-2 in the room:																	
	Δpdisp = 62539 Pa Δpgr = 287 Pa Δp = 62539 Pa Δpover = 0 Pa ΔH = 3.00 m LCIR = 126.11 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	0.75		22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.68	0.12
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	300	0.30	78.57	1.27
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.30	0.25
	A	0.45		12		1238	1.2	1.000	0.015	0.9	0.193	69	31	1521.1	28463	28.46	77.05	0.29
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.103 m³/h Δp = 28366 Pa															
	56-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.76	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.68	0.04
	A	4.10		12		1238	1.2	1.000	0.015	0.9	0.191	74	302	3.5	366	0.37	56.64	1.51
	A	1.20		15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.89	0.27
	A	0.75		22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.66	0.06
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 68-1 in the room:																	
	Δpdisp = 62815 Pa Δpgr = 564 Pa Δp = 62815 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 128.21 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	0.75		22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.68	0.12
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	78.57	0.62
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.95	0.82

	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	77.13	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1338.0	28383	28.38	76.97	0.18
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.185 m³/h Δp = 28286 Pa															
	68-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.79	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.0	30	0.03	56.73	0.03
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	56.18	0.18
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	228	1.5	282	0.28	56.01	0.33
	A	0.75		22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.66	0.06
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 68-2 in the room:																	
	Δpdisp = 62815 Pa Δpgr = 564 Pa Δp = 62815 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 132.31 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	0.75		22		6932	6.9	1.000	0.083	5.1	0.282	57	42	1.5	102	0.10	78.68	0.12
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	78.57	0.62
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.95	0.82
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	77.13	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1323.9	28085	28.08	76.97	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.186 m³/h Δp = 27986 Pa															
	68-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.77	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.72	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	243	3.5	315	0.32	56.69	1.03
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	56.18	0.18
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	228	1.5	282	0.28	56.01	0.33
	A	0.75		22		6932	6.9	1.000	0.083	5.0	0.279	61	45	1.0	84	0.08	55.66	0.06
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 52-2 in the room:																	
	Δpdisp = 62525 Pa Δpgr = 274 Pa Δp = 62525 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 140.01 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12

	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.43	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.40	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	377	0.38	78.34	0.36
	A	0.85		12		1609	1.6	1.000	0.019	1.2	0.251	109	93	837.3	26556	26.56	77.98	0.43
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.138 m³/h Δp = 26416 Pa															
	52-2		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.249	117	23	2.7	106	0.11	57.55	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.249	117	18	0.3	27	0.03	57.49	0.03
	A	2.35		12		1609	1.6	1.000	0.019	1.2	0.249	117	275	5.0	429	0.43	57.46	0.69
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	199	0.20	55.82	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.50	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.48	0.02
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 64-4 in the room:																	
	Δpdisp = 62813 Pa Δpgr = 561 Pa Δp = 62813 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 146.91 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.43	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.40	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	377	0.38	78.34	0.36
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	77.98	0.87
	A	1.05		12		1361	1.4	1.000	0.016	1.0	0.213	82	86	1157.1	26220	26.22	77.12	0.62
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.118 m³/h Δp = 26010 Pa															
	64-4		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	2.7	76	0.08	56.49	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.43	0.04
	A	2.55		12		1361	1.4	1.000	0.016	1.0	0.210	88	224	6.0	357	0.36	56.39	0.86
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	273	1.5	319	0.32	55.73	0.47
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	199	0.20	55.82	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.50	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.48	0.02
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04

	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 64-3 in the room:

Δpdisp = 62812 Pa Δpgr = 560 Pa Δp = 62812 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 146.11 m

	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.43	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.40	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	377	0.38	78.34	0.36
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	77.98	0.87
	A	0.50		12		1361	1.4	1.000	0.016	1.0	0.213	82	41	1159.8	26242	26.24	77.12	0.30
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.118 m³/h Δp = 26077 Pa															
	64-3		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	56.82	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.73	0.04
	A	2.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	198	6.0	330	0.33	56.70	0.76
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	273	1.5	319	0.32	55.73	0.47
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	199	0.20	55.82	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.50	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.48	0.02
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 27-3 in the room:

Δpdisp = 62259 Pa Δpgr = 7 Pa Δp = 62259 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 140.91 m

	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.43	0.03

	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.40	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	78.34	0.21
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.263	84	59	736.3	25523	25.52	78.13	0.25
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.250 m³/h		Δp = 25343 Pa												
	27-3		Φr = 2844 W Aut. =			Δp = 1000 Pa												
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	90	22	7.1	261	0.26	57.88	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 228 Pa												
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	57.83	0.02
	A	2.45		15		2844	2.8	1.000	0.034	2.1	0.260	90	220	6.0	423	0.42	57.81	0.50
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	112	247	6.0	601	0.60	57.29	0.19
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.50	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.48	0.02
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 27-4 in the room:																	
	Δpdisp = 62259 Pa Δpgr = 7 Pa Δp = 62259 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 140.91 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.43	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.40	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	78.34	0.21
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	72	736.4	25537	25.54	78.13	0.30
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.250 m³/h		Δp = 25344 Pa												
	27-4		Φr = 2844 W Aut. =			Δp = 1000 Pa												
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	57.83	0.04
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 228 Pa												
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	57.79	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	211	6.0	414	0.41	57.77	0.48
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	112	247	6.0	601	0.60	57.29	0.19
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.50	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.48	0.02
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 52-3 in the room:																	
	Δpdisp = 62525 Pa Δpgr = 274 Pa Δp = 62525 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 159.51 m																	
	GRANA 1						ΔpHS = 10000 Pa											

	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.27	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.23	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	78.17	0.36
	A	0.85		12		1609	1.6	1.000	0.019	1.2	0.251	109	93	789.4	25039	25.04	77.82	0.43
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.142 m³/h		Δp = 24899 Pa												
	52-3		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.249	117	23	2.7	106	0.11	57.38	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 73 Pa												
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.249	117	18	0.3	27	0.03	57.32	0.03
	A	2.35		12		1609	1.6	1.000	0.019	1.2	0.249	117	275	5.0	429	0.43	57.29	0.69
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	199	0.20	55.66	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.35	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.33	0.02
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 64-6 in the room:																	
	Δpdisp = 62812 Pa Δpgr = 560 Pa Δp = 62812 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 166.41 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.27	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.23	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	78.17	0.36
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	77.82	0.86
	A	1.05		12		1361	1.4	1.000	0.016	1.0	0.213	82	86	1090.1	24702	24.70	76.95	0.62
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.121 m³/h		Δp = 24492 Pa												
	64-6		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	2.7	76	0.08	56.33	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 52 Pa												

	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.27	0.04
	A	2.55		12		1361	1.4	1.000	0.016	1.0	0.210	88	224	6.0	357	0.36	56.23	0.85
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	273	1.5	320	0.32	55.58	0.47
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	199	0.20	55.66	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.35	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.33	0.02
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 64-5 in the room:																	
	Δpdisp = 62811 Pa Δpgr = 559 Pa Δp = 62811 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 165.61 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.27	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.23	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	78.17	0.36
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	77.82	0.86
	A	0.50		12		1361	1.4	1.000	0.016	1.0	0.213	82	41	1092.8	24724	24.72	76.95	0.30
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.121 m³/h Δp = 24558 Pa															
	64-5		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	56.66	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.57	0.04
	A	2.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	198	6.0	330	0.33	56.54	0.76
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	273	1.5	320	0.32	55.58	0.47
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	199	0.20	55.66	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.35	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.33	0.02
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 27-5 in the room:																	
	Δpdisp = 62259 Pa Δpgr = 7 Pa Δp = 62259 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 160.41 m																	

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50			54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00			54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50			54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	0.30			22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.27	0.03
	A	0.45			22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.23	0.06
	A	1.35			18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	78.17	0.21
	A	0.70			15		2844	2.8	1.000	0.034	2.1	0.263	84	59	692.6	24007	24.01	77.96	0.25
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.257 m³/h			Δp = 23827 Pa										
	27-5							Φr = 2844 W Aut. =			Δp = 1000 Pa							
	A	0.25			15		2844	2.8	1.000	0.034	2.1	0.260	90	22	7.1	261	0.26	57.72	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 228 Pa										
	A	0.15			15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	57.67	0.02
	A	2.45			15		2844	2.8	1.000	0.034	2.1	0.260	90	220	6.0	423	0.42	57.64	0.50
	A	2.20			18		5688	5.7	1.000	0.068	4.1	0.343	113	248	6.0	601	0.60	57.13	0.19
	A	0.25			22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.35	0.02
	A	0.30			22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.33	0.02
	A	9.00			54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00			54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00			54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00			54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50			54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
	Riser/Plot: / Circulation by the receiver: 27-6 in the room:																	
	Δpdisp = 62259 Pa Δpgr = 8 Pa Δp = 62259 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 160.41 m																	
	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 61 Pa										
	A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50			54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00			54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50			54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	0.30			22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.27	0.03
	A	0.45			22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.23	0.06
	A	1.35			18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	78.17	0.21
	A	0.85			15		2844	2.8	1.000	0.034	2.1	0.263	84	72	692.6	24020	24.02	77.96	0.30
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.257 m³/h			Δp = 23827 Pa										
	27-6							Φr = 2844 W Aut. =			Δp = 1000 Pa							
	A	0.20			15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	256	0.26	57.66	0.04
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 228 Pa										

	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	57.62	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	212	6.0	414	0.41	57.60	0.48
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	113	248	6.0	601	0.60	57.13	0.19
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.35	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.33	0.02
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 56-3 in the room:																	
	Δpdisp = 62607 Pa Δpgr = 355 Pa Δp = 62607 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 165.01 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.20	0.23
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	301	0.30	77.97	1.25
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	76.71	0.24
	A	0.40		12		1238	1.2	1.000	0.015	0.9	0.193	69	28	1349.8	25240	25.24	76.47	0.26
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.109 m³/h Δp = 25147 Pa															
	56-3		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.21	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	1.0	29	0.03	56.12	0.04
	A	1.20		15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.33	0.26
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.10	0.12
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 56-4 in the room:																	
	Δpdisp = 62607 Pa Δpgr = 355 Pa Δp = 62607 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 169.11 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															

	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
	A	1.00	76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02	
	A	5.00	76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12	
	A	5.00	76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13	
	A	3.00	54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06	
	A	3.00	54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06	
	A	4.00	54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09	
	A	13.00	54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30	
	A	16.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40	
	A	2.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05	
	A	0.50	54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01	
	A	2.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06	
	A	7.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19	
	A	5.00	54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15	
	A	0.50	54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02	
	A	2.00	54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07	
	A	1.50	22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.20	0.23	
	A	3.15	15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	301	0.30	77.97	1.25	
	A	0.85	15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	76.71	0.24	
	A	0.45	12		1238	1.2	1.000	0.015	0.9	0.193	69	31	1330.9	24891	24.89	76.47	0.29	
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.110 m³/h		Δp = 24794 Pa											
	56-4								Φr = 1238 W	Aut. =		Δp = 1000 Pa						
	A	0.20	12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.18	0.07	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15	12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.10	0.04	
	A	4.10	12		1238	1.2	1.000	0.015	0.9	0.191	74	302	3.5	366	0.37	56.06	1.48	
	A	1.20	15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.33	0.26	
	A	1.50	22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.10	0.12	
	A	2.00	54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03	
	A	9.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14	
	A	5.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08	
	A	7.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10	
	A	2.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03	
	A	0.50	54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01	
	A	2.00	54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03	
	A	16.00	54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20	
	A	13.00	54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15	
	A	4.00	54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04	
	A	3.00	54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03	
	A	3.00	54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03	
	A	5.00	76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07	
	A	5.00	76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06	
	A	1.00	76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01	
	A	2.10	76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01	
	A	3.05	76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02	
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 68-3 in the room:																	
	Δpdisp = 62881 Pa Δpgr = 629 Pa Δp = 62881 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 171.21 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95	76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05	
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
	A	1.00	76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02	
	A	5.00	76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12	
	A	5.00	76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13	
	A	3.00	54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06	
	A	3.00	54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06	
	A	4.00	54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09	
	A	13.00	54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30	
	A	16.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40	
	A	2.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05	
	A	0.50	54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01	
	A	2.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06	
	A	7.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19	
	A	5.00	54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15	
	A	0.50	54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02	
	A	2.00	54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07	
	A	1.50	22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.20	0.23	
	A	3.10	18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	77.97	0.61	
	A	3.15	18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.36	0.81	
	A	0.85	18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.55	0.16	
	A	0.40	15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1170.2	24807	24.81	76.39	0.17	
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.198 m³/h		Δp = 24711 Pa											
	68-3								Φr = 2228 W	Aut. =		Δp = 1000 Pa						
	A	0.25	15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.22	0.06	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											

	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.0	30	0.03	56.15	0.03
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	55.62	0.17
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	1.5	283	0.28	55.45	0.33
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.10	0.12
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 68-4 in the room:																	
	Δpdisp = 62881 Pa Δpgr = 629 Pa Δp = 62881 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 175.31 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.20	0.23
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	77.97	0.61
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.36	0.81
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.55	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1156.0	24509	24.51	76.39	0.19
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.199 m³/h Δp = 24410 Pa															
	68-4		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.19	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.14	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	243	3.5	316	0.32	56.12	1.01
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	55.62	0.17
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	1.5	283	0.28	55.45	0.33
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.10	0.12
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 55-1 in the room:																	
	Δpdisp = 62607 Pa Δpgr = 355 Pa Δp = 62607 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 166.01 m																	

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.18	0.23
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	301	0.30	77.95	1.25
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	76.69	0.24
	A	0.40		12		1238	1.2	1.000	0.015	0.9	0.193	69	28	1340.8	25072	25.07	76.45	0.26
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.109 m³/h		Δp = 24978 Pa											
	55-1						Φr = 1238 W Aut. =						Δp = 1000 Pa					
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.19	0.09
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	1.0	29	0.03	56.10	0.04
	A	1.20		15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.31	0.26
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.09	0.12
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													

Riser/Plot: / Circulation by the receiver: 55-2 in the room:

Δpdisp = 62607 Pa Δpgr = 355 Pa Δp = 62607 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 170.11 m

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.18	0.23
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	301	0.30	77.95	1.25
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	76.69	0.24
	A	0.45		12		1238	1.2	1.000	0.015	0.9	0.193	69	31	1322.0	24722	24.72	76.45	0.29
	RA-DV S		Preset: 6		dn = 15 mm													

			Q = m³/h		kv = 0.110 m³/h		Δp = 24626 Pa											
	55-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	56.16	0.07
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.09	0.04
	A	4.10		12		1238	1.2	1.000	0.015	0.9	0.191	74	302	3.5	366	0.37	56.05	1.48
	A	1.20		15		2476	2.5	1.000	0.030	1.8	0.226	71	86	5.0	214	0.21	55.31	0.26
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.09	0.12
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 67-1 in the room:																	
	Δpdisp = 62881 Pa Δpgr = 629 Pa Δp = 62881 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 172.21 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.18	0.23
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	77.95	0.61
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.34	0.81
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.53	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1162.2	24638	24.64	76.37	0.17
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h		kv = 0.199 m³/h		Δp = 24542 Pa											
	67-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.20	0.06
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.0	30	0.03	56.14	0.03
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	55.60	0.17
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	1.5	283	0.28	55.43	0.33
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.09	0.12
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01

	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 67-2 in the room:																	
	Δpdisp = 62881 Pa Δpgr = 629 Pa Δp = 62881 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 176.31 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	78.18	0.23
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	77.95	0.61
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	217	2.3	302	0.30	77.34	0.81
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.53	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1148.0	24340	24.34	76.37	0.19
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.200 m³/h Δp = 24241 Pa															
	67-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.18	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.13	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	243	3.5	316	0.32	56.10	1.01
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	55.60	0.17
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	1.5	283	0.28	55.43	0.33
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	55.09	0.12
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 52-4 in the room:																	
	Δpdisp = 62525 Pa Δpgr = 273 Pa Δp = 62525 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 168.51 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19

	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.12	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.08	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	78.02	0.35
	A	0.85		12		1609	1.6	1.000	0.019	1.2	0.251	109	93	730.3	23165	23.17	77.67	0.43
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.148 m³/h Δp = 23025 Pa															
	52-4		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.249	117	23	2.7	106	0.11	57.24	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.249	117	18	0.3	27	0.03	57.18	0.03
	A	2.35		12		1609	1.6	1.000	0.019	1.2	0.249	117	275	5.0	429	0.43	57.15	0.69
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	200	0.20	55.52	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.20	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.18	0.02
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 64-7 in the room:																	
	Δpdisp = 62811 Pa Δpgr = 559 Pa Δp = 62811 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 175.41 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.12	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.08	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	78.02	0.35
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	77.67	0.86
	A	1.05		12		1361	1.4	1.000	0.016	1.0	0.213	82	86	1007.2	22828	22.83	76.81	0.62
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.126 m³/h Δp = 22618 Pa															
	64-7		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	2.7	76	0.08	56.19	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.12	0.04
	A	2.55		12		1361	1.4	1.000	0.016	1.0	0.210	88	225	6.0	357	0.36	56.09	0.85
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	273	1.5	320	0.32	55.44	0.46
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	200	0.20	55.52	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.20	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.18	0.02
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01

	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 64-8 in the room:																	
	Δpdisp = 62810 Pa Δpgr = 558 Pa Δp = 62810 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 174.61 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.12	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.08	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	78.02	0.35
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	412	0.41	77.67	0.86
	A	0.50		12		1361	1.4	1.000	0.016	1.0	0.213	82	41	1010.0	22849	22.85	76.81	0.29
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.126 m³/h Δp = 22684 Pa															
	64-8		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	56.51	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.43	0.04
	A	2.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	198	6.0	330	0.33	56.39	0.76
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	273	1.5	320	0.32	55.44	0.46
	A	0.90		18		4331	4.3	1.000	0.052	3.2	0.261	70	63	4.0	200	0.20	55.52	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.20	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.18	0.02
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 27-8 in the room:																	

Δpdisp = 62259 Pa Δpgr = 8 Pa Δp = 62259 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 169.41 m																		
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.12	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.08	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	78.02	0.21
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.263	84	59	638.5	22134	22.13	77.81	0.24
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.268 m³/h		Δp = 21953 Pa											
	27-8								Φr = 2844 W Aut. =			Δp = 1000 Pa						
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	90	22	7.1	261	0.26	57.57	0.05
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 228 Pa											
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	57.52	0.02
	A	2.45		15		2844	2.8	1.000	0.034	2.1	0.260	90	221	6.0	423	0.42	57.49	0.50
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	113	248	6.0	601	0.60	56.99	0.19
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.20	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.18	0.02
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
Riser/Plot: / Circulation by the receiver: 27-7 in the room:																		
Δpdisp = 62259 Pa Δpgr = 8 Pa Δp = 62259 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 169.41 m																		
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02

	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	78.12	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	78.08	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.60	78.02	0.21
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	72	638.6	22147	22.15	77.81	0.30
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.268 m³/h		Δp = 21954 Pa											
	27-7		Φr = 2844 W Aut. =				Δp = 1000 Pa											
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	256	0.26	57.52	0.04
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 228 Pa											
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	57.47	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	212	6.0	414	0.41	57.45	0.48
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	113	248	6.0	601	0.60	56.99	0.19
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	56.20	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	56.18	0.02
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 52-5 in the room:																	
	Δpdisp = 62524 Pa Δpgr = 273 Pa Δp = 62524 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 188.51 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	77.75	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	77.71	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	77.65	0.35
	A	0.85		12		1609	1.6	1.000	0.019	1.2	0.251	109	93	649.5	20603	20.60	77.30	0.43
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.157 m³/h		Δp = 20463 Pa											
	52-5		Φr = 1609 W Aut. =				Δp = 1000 Pa											
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.249	117	23	2.7	106	0.11	56.87	0.06
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 73 Pa											
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.249	117	18	0.3	27	0.03	56.81	0.03
	A	2.35		12		1609	1.6	1.000	0.019	1.2	0.248	117	275	5.0	430	0.43	56.78	0.68
	A	0.90		18		4331	4.3	1.000	0.052	3.1	0.261	70	63	4.0	200	0.20	55.18	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	55.85	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	55.83	0.02
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14

	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 64-9 in the room:

Δpdisp = 62809 Pa Δpgr = 557 Pa Δp = 62809 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 195.41 m

	GRANA 1												ΔpHS = 10000 Pa					
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	77.75	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	77.71	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	77.65	0.35
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	413	0.41	77.30	0.85
	A	1.05		12		1361	1.4	1.000	0.016	1.0	0.212	82	86	894.1	20264	20.26	76.45	0.61
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.134 m³/h Δp = 20054 Pa															
	64-9		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	2.7	76	0.08	55.83	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	55.77	0.03
	A	2.55		12		1361	1.4	1.000	0.016	1.0	0.210	88	225	6.0	357	0.36	55.73	0.84
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	274	1.5	320	0.32	55.09	0.46
	A	0.90		18		4331	4.3	1.000	0.052	3.1	0.261	70	63	4.0	200	0.20	55.18	0.10
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	55.85	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	55.83	0.02
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 64-10 in the room:																		
Δpdisp = 62808 Pa Δpgr = 557 Pa Δp = 62808 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 194.61 m																		
GRANA 1													ΔpHS = 10000 Pa					
A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05	
FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02	
A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12	
A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13	
A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06	
A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06	
A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09	
A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30	
A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40	
A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05	
A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01	
A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06	
A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19	
A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15	
A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02	
A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07	
A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02	
A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06	
A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19	
A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18	
A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	77.75	0.03	
A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	77.71	0.06	
A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	65	114	7.5	376	0.38	77.65	0.35	
A	3.25		15		2722	2.7	1.000	0.033	2.0	0.252	78	254	5.0	413	0.41	77.30	0.85	
A	0.50		12		1361	1.4	1.000	0.016	1.0	0.212	82	41	896.8	20285	20.29	76.45	0.29	
RA-DV S		Preset: 6		dn = 15 mm														
		Q = m³/h		kv = 0.134 m³/h		Δp = 20120 Pa												
64-10						Φr = 1361 W Aut. =			Δp = 1000 Pa									
A	0.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	56.15	0.08	
RLV-S		dn = 15 mm		kv = 2.600		Δp = 52 Pa												
A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.07	0.04	
A	2.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	198	6.0	331	0.33	56.03	0.75	
A	3.25		15		2722	2.7	1.000	0.033	2.0	0.249	84	274	1.5	320	0.32	55.09	0.46	
A	0.90		18		4331	4.3	1.000	0.052	3.1	0.261	70	63	4.0	200	0.20	55.18	0.10	
A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	55.85	0.02	
A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	55.83	0.02	
A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09	
A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09	
A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03	
A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01	
A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03	
A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14	
A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08	
A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10	
A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03	
A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01	
A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03	
A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20	
A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15	
A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04	
A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03	
A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03	
A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07	
A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06	
A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01	
A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01	
A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02	
MSV-F2 PN16		Preset: 7		dn = 65 mm														
		kv = 69.300 m³/h		Δp = 2949 Pa														
Riser/Plot: / Circulation by the receiver: 27-10 in the room:																		
Δpdisp = 62260 Pa Δpgr = 8 Pa Δp = 62260 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 189.41 m																		
GRANA 1													ΔpHS = 10000 Pa					
A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05	
FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa												
A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02	
A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12	
A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13	
A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06	
A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06	
A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09	
A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30	
A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40	

	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	77.75	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	77.71	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.59	77.65	0.21
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.263	84	59	564.7	19572	19.57	77.44	0.24
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.285 m³/h		Δp = 19392 Pa												
	27-10		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	90	23	7.1	261	0.26	57.20	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 228 Pa												
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	14	0.3	24	0.02	57.15	0.02
	A	2.45		15		2844	2.8	1.000	0.034	2.1	0.260	90	221	6.0	424	0.42	57.13	0.49
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	113	248	6.0	601	0.60	56.63	0.19
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	55.85	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	55.83	0.02
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 27-9 in the room:																	
	Δpdisp = 62260 Pa Δpgr = 8 Pa Δp = 62260 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 189.41 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.408	109	33	1.5	157	0.16	77.75	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.408	109	50	0.3	74	0.07	77.71	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.59	77.65	0.21
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	72	564.8	19586	19.59	77.44	0.29
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.285 m³/h		Δp = 19393 Pa												
	27-9		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	256	0.26	57.15	0.04

	RLV-S		dn = 15 mm		kv = 2.600		Δp = 228 Pa											
	A	0.15	15		2844	2.8	1.000	0.034	2.1	0.260	90	14	0.3	24	0.02	57.11	0.02
	A	2.35	15		2844	2.8	1.000	0.034	2.1	0.260	90	212	6.0	415	0.41	57.09	0.47
	A	2.20	18		5688	5.7	1.000	0.068	4.1	0.343	113	248	6.0	601	0.60	56.63	0.19
	A	0.25	22		10019	10.0	1.000	0.120	7.3	0.403	116	29	0.3	54	0.05	55.85	0.02
	A	0.30	22		10019	10.0	1.000	0.120	7.3	0.403	116	35	1.0	116	0.12	55.83	0.02
	A	5.00	42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00	42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00	42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50	54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00	54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50	54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00	54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00	54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00	54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00	54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00	54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00	54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00	76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00	76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00	76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10	76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05	76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 55-3 in the room:																	
	Δpdisp = 62605 Pa Δpgr = 354 Pa Δp = 62605 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 194.72 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95	76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00	76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00	76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00	76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00	54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00	54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00	54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00	54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50	54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00	54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50	54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00	54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50	54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00	42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00	42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00	42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45	42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00	42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	1.50	22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	77.64	0.23
	A	3.15	15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	301	0.30	77.41	1.24
	A	0.85	15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	76.17	0.24
	A	0.40	12		1238	1.2	1.000	0.015	0.9	0.193	69	28	1102.3	20604	20.60	75.93	0.25
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.121 m³/h		Δp = 20511 Pa											
	55-3											Φr = 1238 W Aut. =		Δp = 1000 Pa				
	A	0.25	12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	55.67	0.09
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 43 Pa											
	A	0.15	12		1238	1.2	1.000	0.015	0.9	0.191	74	11	1.0	29	0.03	55.58	0.04
	A	1.20	15		2476	2.5	1.000	0.030	1.8	0.226	72	86	5.0	214	0.21	54.81	0.26
	A	1.50	22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	54.59	0.12
	A	2.00	42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25	42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00	42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00	42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00	42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50	54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00	54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50	54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00	54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03

	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 55-4 in the room:																	
	Δpdisp = 62605 Pa Δpgr = 354 Pa Δp = 62605 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 198.82 m																	
	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	77.64	0.23
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	209	3.5	301	0.30	77.41	1.24
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	76.17	0.24
	A	0.45		12		1238	1.2	1.000	0.015	0.9	0.193	69	31	1083.5	20256	20.26	75.93	0.29
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.122 m³/h Δp = 20159 Pa															
	55-4		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	2.7	63	0.06	55.64	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	55.57	0.04
	A	4.10		12		1238	1.2	1.000	0.015	0.9	0.191	73	301	3.5	365	0.37	55.53	1.45
	A	1.20		15		2476	2.5	1.000	0.030	1.8	0.226	72	86	5.0	214	0.21	54.81	0.26
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	54.59	0.12
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 67-3 in the room:																	
	Δpdisp = 62878 Pa Δpgr = 626 Pa Δp = 62878 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 200.92 m																	
	GRANA 1						ΔpHS = 10000 Pa											

	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	77.64	0.23
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	77.41	0.60
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	218	2.3	302	0.30	76.81	0.80
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.01	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	951.8	20168	20.17	75.85	0.17
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.219 m³/h		Δp = 20072 Pa												
	67-3								Φr = 2228 W	Aut. =		Δp = 1000 Pa						
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	55.68	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.0	30	0.03	55.62	0.03
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	55.09	0.17
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	1.5	283	0.28	54.92	0.32
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	54.59	0.12
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 67-4 in the room:																	
	Δpdisp = 62878 Pa Δpgr = 626 Pa Δp = 62878 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 205.02 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01

	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	1.50		22		6932	6.9	1.000	0.083	5.1	0.282	57	85	1.5	145	0.14	77.64	0.23
	A	3.10		18		4456	4.5	1.000	0.053	3.3	0.272	69	213	1.0	250	0.25	77.41	0.60
	A	3.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	218	2.3	302	0.30	76.81	0.80
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.01	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	937.6	19870	19.87	75.85	0.19
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.221 m³/h		Δp = 19771 Pa												
	67-4					Φr = 2228 W Aut. =					Δp = 1000 Pa							
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	55.66	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	55.61	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.203	59	244	3.5	316	0.32	55.58	0.99
	A	1.20		18		4456	4.5	1.000	0.053	3.2	0.269	74	89	4.3	244	0.24	55.09	0.17
	A	3.10		18		4456	4.5	1.000	0.053	3.2	0.269	74	229	1.5	283	0.28	54.92	0.32
	A	1.50		22		6932	6.9	1.000	0.083	5.0	0.278	61	91	1.0	130	0.13	54.59	0.12
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h		Δp = 2949 Pa													
	Riser/Plot: / Circulation by the receiver: 52-6 in the room:																	
	Δpdisp = 62523 Pa Δpgr = 272 Pa Δp = 62523 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 217.22 m																	
	GRANA 1									ΔpHS = 10000 Pa								
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.407	109	33	1.5	157	0.16	77.05	0.03

	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.407	109	50	0.3	75	0.07	77.01	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	66	115	7.5	376	0.38	76.95	0.35
	A	0.85		12		1609	1.6	1.000	0.019	1.2	0.251	110	93	576.6	18286	18.29	76.61	0.42
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.167 m³/h Δp = 18146 Pa															
	52-6		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	117	23	2.7	106	0.11	56.19	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	117	18	0.3	27	0.03	56.13	0.03
	A	2.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	276	5.0	430	0.43	56.10	0.66
	A	0.90		18		4331	4.3	1.000	0.052	3.1	0.261	70	63	4.0	200	0.20	54.53	0.09
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.402	116	30	0.3	54	0.05	55.19	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.402	116	35	1.0	116	0.12	55.17	0.02
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 64-12 in the room:																	
	Δpdisp = 62806 Pa Δpgr = 554 Pa Δp = 62806 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 224.12 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.407	109	33	1.5	157	0.16	77.05	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.407	109	50	0.3	75	0.07	77.01	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	66	115	7.5	376	0.38	76.95	0.35
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.251	78	255	5.0	413	0.41	76.61	0.84
	A	1.05		12		1361	1.4	1.000	0.016	1.0	0.212	82	86	791.9	17944	17.94	75.77	0.60
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.143 m³/h Δp = 17734 Pa															
	64-12		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	2.7	76	0.08	55.16	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	55.10	0.03
	A	2.55		12		1361	1.4	1.000	0.016	1.0	0.210	88	226	6.0	358	0.36	55.06	0.82

	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.248	84	274	1.5	321	0.32	54.44	0.45
	A	0.90		18		4331	4.3	1.000	0.052	3.1	0.261	70	63	4.0	200	0.20	54.53	0.09
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.402	116	30	0.3	54	0.05	55.19	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.402	116	35	1.0	116	0.12	55.17	0.02
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 64-11 in the room:

Δpdisp = 62805 Pa Δpgr = 553 Pa Δp = 62805 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 223.32 m

	GRANA 1						ΔpHS = 10000 Pa											
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.407	109	33	1.5	157	0.16	77.05	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.407	109	50	0.3	75	0.07	77.01	0.06
	A	1.75		18		4331	4.3	1.000	0.052	3.2	0.264	66	115	7.5	376	0.38	76.95	0.35
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.251	78	255	5.0	413	0.41	76.61	0.84
	A	0.50		12		1361	1.4	1.000	0.016	1.0	0.212	82	41	794.7	17965	17.97	75.77	0.29
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.142 m³/h Δp = 17800 Pa															
	64-11		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	55.48	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	55.40	0.03
	A	2.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	199	6.0	331	0.33	55.36	0.73
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.248	84	274	1.5	321	0.32	54.44	0.45
	A	0.90		18		4331	4.3	1.000	0.052	3.1	0.261	70	63	4.0	200	0.20	54.53	0.09
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.402	116	30	0.3	54	0.05	55.19	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.402	116	35	1.0	116	0.12	55.17	0.02
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09

	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h			Δp = 2949 Pa												
	Riser/Plot: / Circulation by the receiver: 27-11 in the room:																	
	Δpdisp = 62261 Pa Δpgr = 9 Pa Δp = 62261 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 218.12 m																	
	GRANA 1								ΔpHS = 10000 Pa									
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.407	109	33	1.5	157	0.16	77.05	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.407	109	50	0.3	75	0.07	77.01	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.59	76.95	0.20
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.263	85	59	498.2	17258	17.26	76.75	0.24
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.304 m³/h		Δp = 17078 Pa											
	27-11								Φr = 2844 W Aut. =		Δp = 1000 Pa							
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	90	23	7.1	261	0.26	56.51	0.05
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 228 Pa											
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	14	0.3	24	0.02	56.46	0.02
	A	2.45		15		2844	2.8	1.000	0.034	2.1	0.260	90	222	6.0	424	0.42	56.44	0.48
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	113	249	6.0	602	0.60	55.95	0.18
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.402	116	30	0.3	54	0.05	55.19	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.402	116	35	1.0	116	0.12	55.17	0.02
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20

	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 27-12 in the room:																	
	Δpdisp = 62261 Pa Δpgr = 9 Pa Δp = 62261 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 218.12 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	0.30		22		10019	10.0	1.000	0.120	7.4	0.407	109	33	1.5	157	0.16	77.05	0.03
	A	0.45		22		10019	10.0	1.000	0.120	7.4	0.407	109	50	0.3	75	0.07	77.01	0.06
	A	1.35		18		5688	5.7	1.000	0.068	4.2	0.347	106	143	7.5	595	0.59	76.95	0.20
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	85	72	498.2	17272	17.27	76.75	0.29
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.304 m³/h Δp = 17079 Pa															
	27-12		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	256	0.26	56.46	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 228 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	14	0.3	24	0.02	56.42	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	213	6.0	415	0.42	56.40	0.46
	A	2.20		18		5688	5.7	1.000	0.068	4.1	0.343	113	249	6.0	602	0.60	55.95	0.18
	A	0.25		22		10019	10.0	1.000	0.120	7.3	0.402	116	30	0.3	54	0.05	55.19	0.02
	A	0.30		22		10019	10.0	1.000	0.120	7.3	0.402	116	35	1.0	116	0.12	55.17	0.02
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 54-1 in the room:																		
Δpdisp = 62604 Pa Δpgr = 352 Pa Δp = 62604 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 224.72 m																		
GRANA 1													ΔpHS = 10000 Pa					
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
A	16.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
A	2.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
A	0.50			54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
A	2.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
A	7.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
A	5.00			54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
A	0.50			54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
A	2.00			54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
A	0.50			54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
A	2.00			42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
A	5.00			42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
A	5.00			42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
A	0.45			42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
A	2.00			42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
A	3.00			42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
A	9.00			42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
A	3.00			35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
A	1.50			18		6684	6.7	1.000	0.080	4.9	0.408	141	212	1.5	337	0.34	76.89	0.19
A	3.15			15		2476	2.5	1.000	0.030	1.8	0.229	66	210	3.5	301	0.30	76.69	1.22
A	0.85			15		2476	2.5	1.000	0.030	1.8	0.229	67	57	4.3	169	0.17	75.47	0.24
A	0.40			12		1238	1.2	1.000	0.015	0.9	0.193	70	28	929.8	17369	17.37	75.24	0.25
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.131 m³/h			Δp = 17276 Pa										
54-1										Φr = 1238 W	Aut. =		Δp = 1000 Pa					
A	0.25			12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	54.99	0.09
RLV-S			dn = 15 mm		kv = 2.600			Δp = 43 Pa										
A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	73	11	1.0	29	0.03	54.90	0.04
A	1.20			15		2476	2.5	1.000	0.030	1.8	0.226	72	86	5.0	214	0.21	54.14	0.25
A	1.50			18		6684	6.7	1.000	0.080	4.9	0.403	151	227	1.0	308	0.31	53.83	0.10
A	3.00			35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
A	9.00			42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
A	3.00			42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
A	2.00			42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
A	0.25			42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
A	5.00			42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
A	5.00			42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
A	2.00			42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
A	0.50			54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
A	2.00			54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
A	9.00			54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
A	5.00			54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
A	7.00			54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
A	2.00			54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
A	0.50			54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
A	2.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
A	16.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
MSV-F2 PN16			Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 54-2 in the room:																		
Δpdisp = 62604 Pa Δpgr = 352 Pa Δp = 62604 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 228.82 m																		
GRANA 1													ΔpHS = 10000 Pa					
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12

	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	1.50		18		6684	6.7	1.000	0.080	4.9	0.408	141	212	1.5	337	0.34	76.89	0.19
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	210	3.5	301	0.30	76.69	1.22
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	67	57	4.3	169	0.17	75.47	0.24
	A	0.45		12		1238	1.2	1.000	0.015	0.9	0.193	70	31	911.0	17022	17.02	75.24	0.28
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.133 m³/h Δp = 16925 Pa															
	54-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	73	15	2.7	63	0.06	54.95	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	73	11	0.3	16	0.02	54.88	0.04
	A	4.10		12		1238	1.2	1.000	0.015	0.9	0.191	73	300	3.5	364	0.36	54.85	1.42
	A	1.20		15		2476	2.5	1.000	0.030	1.8	0.226	72	86	5.0	214	0.21	54.14	0.25
	A	1.50		18		6684	6.7	1.000	0.080	4.9	0.403	151	227	1.0	308	0.31	53.83	0.10
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 66-1 in the room:																	
	Δpdisp = 62875 Pa Δpgr = 624 Pa Δp = 62875 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 230.92 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19

	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	1.50		18		6684	6.7	1.000	0.080	4.9	0.408	141	212	1.5	337	0.34	76.89	0.19
	A	3.10		18		4208	4.2	1.000	0.050	3.1	0.257	62	193	0.5	210	0.21	76.69	0.62
	A	3.15		18		4208	4.2	1.000	0.050	3.1	0.257	62	197	2.3	273	0.27	76.07	0.83
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.256	63	53	4.3	195	0.19	75.24	0.17
	A	0.40		15		2104	2.1	1.000	0.025	1.5	0.194	50	20	907.3	17130	17.13	75.07	0.18
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.225 m³/h Δp = 17044 Pa															
	66-1		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2104	2.1	1.000	0.025	1.5	0.192	54	13	7.1	144	0.14	54.89	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	54	8	1.0	27	0.03	54.83	0.03
	A	1.20		18		4208	4.2	1.000	0.050	3.1	0.254	67	81	4.3	219	0.22	54.29	0.17
	A	3.10		18		4208	4.2	1.000	0.050	3.1	0.254	67	208	0.5	224	0.22	54.12	0.33
	A	1.50		18		6684	6.7	1.000	0.080	4.9	0.403	151	227	1.0	308	0.31	53.83	0.10
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 66-2 in the room:																	
	Δpdisp = 62875 Pa Δpgr = 624 Pa Δp = 62875 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 235.02 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09

	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	1.50		18		6684	6.7	1.000	0.080	4.9	0.408	141	212	1.5	337	0.34	76.89	0.19
	A	3.10		18		4208	4.2	1.000	0.050	3.1	0.257	62	193	0.5	210	0.21	76.69	0.62
	A	3.15		18		4208	4.2	1.000	0.050	3.1	0.257	62	197	2.3	273	0.27	76.07	0.83
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.256	63	53	4.3	195	0.19	75.24	0.17
	A	0.45		15		2104	2.1	1.000	0.025	1.5	0.194	50	23	892.8	16860	16.86	75.07	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.227 m³/h Δp = 16771 Pa															
	66-2		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2104	2.1	1.000	0.025	1.5	0.192	54	11	7.1	141	0.14	54.87	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	54	8	0.3	14	0.01	54.82	0.03
	A	4.10		15		2104	2.1	1.000	0.025	1.5	0.192	54	222	3.5	286	0.29	54.79	1.02
	A	1.20		18		4208	4.2	1.000	0.050	3.1	0.254	67	81	4.3	219	0.22	54.29	0.17
	A	3.10		18		4208	4.2	1.000	0.050	3.1	0.254	67	208	0.5	224	0.22	54.12	0.33
	A	1.50		18		6684	6.7	1.000	0.080	4.9	0.403	151	227	1.0	308	0.31	53.83	0.10
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 53-1 in the room:																	
	Δpdisp = 62602 Pa Δpgr = 350 Pa Δp = 62602 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 234.72 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	1.50		22		7178	7.2	1.000	0.086	5.3	0.292	60	91	1.5	155	0.15	76.57	0.22
	A	3.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	210	3.5	301	0.30	76.35	1.21
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	67	57	4.3	169	0.17	75.14	0.24
	A	0.40		12		1238	1.2	1.000	0.015	0.9	0.193	70	28	898.8	16784	16.78	74.90	0.25

	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.134 m³/h Δp = 16691 Pa															
	53-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25	12		1238	1.2	1.000	0.015	0.9	0.191	73	18	2.7	67	0.07	54.65	0.09	
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15	12		1238	1.2	1.000	0.015	0.9	0.191	73	11	1.0	29	0.03	54.57	0.04	
	A	1.20	15		2476	2.5	1.000	0.030	1.8	0.226	72	86	5.0	214	0.21	53.82	0.25	
	A	1.50	22		7178	7.2	1.000	0.086	5.2	0.288	65	97	1.0	139	0.14	53.70	0.11	
	A	5.00	35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16	
	A	3.00	35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08	
	A	9.00	42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23	
	A	3.00	42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08	
	A	2.00	42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04	
	A	0.25	42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01	
	A	5.00	42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09	
	A	5.00	42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09	
	A	2.00	42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03	
	A	0.50	54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01	
	A	2.00	54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03	
	A	9.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14	
	A	5.00	54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08	
	A	7.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10	
	A	2.00	54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03	
	A	0.50	54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01	
	A	2.00	54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03	
	A	16.00	54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20	
	A	13.00	54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15	
	A	4.00	54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04	
	A	3.00	54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03	
	A	3.00	54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03	
	A	5.00	76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07	
	A	5.00	76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06	
	A	1.00	76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01	
	A	2.10	76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01	
	A	3.05	76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02	
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 53-2 in the room:																	
	Δpdisp = 62602 Pa Δpgr = 350 Pa Δp = 62602 Pa Δpover = 0 Pa ΔH = 3.75 m LCIR = 238.82 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95	76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05	
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40	76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02	
	A	1.00	76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02	
	A	5.00	76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12	
	A	5.00	76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13	
	A	3.00	54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06	
	A	3.00	54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06	
	A	4.00	54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09	
	A	13.00	54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30	
	A	16.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40	
	A	2.00	54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05	
	A	0.50	54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01	
	A	2.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06	
	A	7.00	54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19	
	A	5.00	54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15	
	A	0.50	54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02	
	A	2.00	54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07	
	A	0.50	54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02	
	A	2.00	42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06	
	A	5.00	42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19	
	A	5.00	42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18	
	A	0.45	42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02	
	A	2.00	42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09	
	A	3.00	42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15	
	A	9.00	42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44	
	A	3.00	35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16	
	A	5.00	35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32	
	A	1.50	22		7178	7.2	1.000	0.086	5.3	0.292	60	91	1.5	155	0.15	76.57	0.22	
	A	3.15	15		2476	2.5	1.000	0.030	1.8	0.229	66	210	3.5	301	0.30	76.35	1.21	
	A	0.85	15		2476	2.5	1.000	0.030	1.8	0.229	67	57	4.3	169	0.17	75.14	0.24	
	A	0.45	12		1238	1.2	1.000	0.015	0.9	0.193	70	31	880.0	16437	16.44	74.90	0.28	
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.135 m³/h Δp = 16341 Pa															
	53-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20	12		1238	1.2	1.000	0.015	0.9	0.191	73	15	2.7	63	0.06	54.62	0.07	
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15	12		1238	1.2	1.000	0.015	0.9	0.191	73	11	0.3	16	0.02	54.55	0.04	
	A	4.10	12		1238	1.2	1.000	0.015	0.9	0.191	73	299	3.5	363	0.36	54.52	1.40	
	A	1.20	15		2476	2.5	1.000	0.030	1.8	0.226	72	86	5.0	214	0.21	53.82	0.25	
	A	1.50	22		7178	7.2	1.000	0.086	5.2	0.288	65	97	1.0	139	0.14	53.70	0.11	

	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 65-1 in the room:																	
	Δpdisp = 62870 Pa Δpgr = 618 Pa Δp = 62870 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 240.92 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	1.50		22		7178	7.2	1.000	0.086	5.3	0.292	60	91	1.5	155	0.15	76.57	0.22
	A	3.10		18		4702	4.7	1.000	0.056	3.5	0.287	76	235	1.0	276	0.28	76.35	0.56
	A	3.15		18		4702	4.7	1.000	0.056	3.5	0.287	76	240	2.3	334	0.33	75.79	0.74
	A	0.85		18		4702	4.7	1.000	0.056	3.5	0.287	76	65	4.3	241	0.24	75.05	0.15
	A	0.40		15		2351	2.4	1.000	0.028	1.7	0.217	61	24	686.5	16185	16.19	74.91	0.16
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.259 m³/h		Δp = 16078 Pa												
	65-1					Φr = 2351 W Aut. =						Δp = 1000 Pa						
	A	0.25		15		2351	2.4	1.000	0.028	1.7	0.215	65	16	7.1	179	0.18	54.75	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 156 Pa												
	A	0.15		15		2351	2.4	1.000	0.028	1.7	0.215	65	10	1.0	33	0.03	54.69	0.02
	A	1.20		18		4702	4.7	1.000	0.056	3.4	0.283	81	98	4.3	271	0.27	54.21	0.16
	A	3.10		18		4702	4.7	1.000	0.056	3.4	0.283	81	253	1.5	313	0.31	54.05	0.29
	A	1.50		22		7178	7.2	1.000	0.086	5.2	0.288	65	97	1.0	139	0.14	53.70	0.11
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09

	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 65-2 in the room:																	
	Δpdisp = 62870 Pa Δpgr = 618 Pa Δp = 62870 Pa Δpover = 0 Pa ΔH = 6.85 m LCIR = 245.02 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	1.50		22		7178	7.2	1.000	0.086	5.3	0.292	60	91	1.5	155	0.15	76.57	0.22
	A	3.10		18		4702	4.7	1.000	0.056	3.5	0.287	76	235	1.0	276	0.28	76.35	0.56
	A	3.15		18		4702	4.7	1.000	0.056	3.5	0.287	76	240	2.3	334	0.33	75.79	0.74
	A	0.85		18		4702	4.7	1.000	0.056	3.5	0.287	76	65	4.3	241	0.24	75.05	0.15
	A	0.45		15		2351	2.4	1.000	0.028	1.7	0.217	61	27	672.3	15855	15.86	74.91	0.18
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.261 m³/h Δp = 15746 Pa															
	65-2									Φr = 2351 W Aut. =		Δp = 1000 Pa						
	A	0.20		15		2351	2.4	1.000	0.028	1.7	0.215	65	13	7.1	176	0.18	54.73	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 156 Pa															
	A	0.15		15		2351	2.4	1.000	0.028	1.7	0.215	65	10	0.3	17	0.02	54.68	0.02
	A	4.10		15		2351	2.4	1.000	0.028	1.7	0.215	65	269	3.5	349	0.35	54.66	0.91
	A	1.20		18		4702	4.7	1.000	0.056	3.4	0.283	81	98	4.3	271	0.27	54.21	0.16
	A	3.10		18		4702	4.7	1.000	0.056	3.4	0.283	81	253	1.5	313	0.31	54.05	0.29
	A	1.50		22		7178	7.2	1.000	0.086	5.2	0.288	65	97	1.0	139	0.14	53.70	0.11
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08

	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 52-7 in the room:																	
	Δpdisp = 62522 Pa Δpgr = 271 Pa Δp = 62522 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 231.71 m																	
	GRANA 1							ΔpHS = 10000 Pa										
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	1.45		18		4331	4.3	1.000	0.052	3.2	0.264	66	95	5.5	287	0.29	76.55	0.28
	A	0.85		12		1609	1.6	1.000	0.019	1.2	0.251	110	93	516.4	16380	16.38	76.27	0.42
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.176 m³/h		Δp = 16239 Pa												
	52-7								Φr = 1609 W Aut. =		Δp = 1000 Pa							
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	117	23	2.7	106	0.11	55.85	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 73 Pa												
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	118	18	0.3	27	0.03	55.79	0.03
	A	2.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	277	5.0	431	0.43	55.76	0.66
	A	0.60		18		4331	4.3	1.000	0.052	3.1	0.261	71	42	1.0	76	0.08	54.21	0.06
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03

	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 64-13 in the room:																	
	Δpdisp = 62803 Pa Δpgr = 552 Pa Δp = 62803 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 238.61 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	1.45		18		4331	4.3	1.000	0.052	3.2	0.264	66	95	5.5	287	0.29	76.55	0.28
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.251	78	255	5.0	413	0.41	76.27	0.83
	A	1.05		12		1361	1.4	1.000	0.016	1.0	0.212	82	86	707.6	16036	16.04	75.43	0.60
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.151 m³/h Δp = 15826 Pa															
	64-13		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	2.7	76	0.08	54.84	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	54.77	0.03
	A	2.55		12		1361	1.4	1.000	0.016	1.0	0.210	89	226	6.0	358	0.36	54.74	0.81
	A	3.25		15		2722	2.7	1.000	0.033	2.0	0.248	85	275	1.5	321	0.32	54.12	0.44
	A	0.60		18		4331	4.3	1.000	0.052	3.1	0.261	71	42	1.0	76	0.08	54.21	0.06
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															

Riser/Plot: / Circulation by the receiver: 64-14 in the room:																		
Δpdisp = 62802 Pa Δpgr = 551 Pa Δp = 62802 Pa Δpover = 0 Pa ΔH = 6.10 m LCIR = 237.81 m																		
GRANA 1													ΔpHS = 10000 Pa					
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										
A	1.40			76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
A	1.00			76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
A	5.00			76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
A	5.00			76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
A	3.00			54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
A	3.00			54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
A	4.00			54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
A	13.00			54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
A	16.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
A	2.00			54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
A	0.50			54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
A	2.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
A	7.00			54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
A	5.00			54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
A	0.50			54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
A	2.00			54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
A	0.50			54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
A	2.00			42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
A	5.00			42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
A	5.00			42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
A	0.45			42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
A	2.00			42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
A	3.00			42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
A	9.00			42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
A	3.00			35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
A	5.00			35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
A	0.20			28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
A	1.45			18		4331	4.3	1.000	0.052	3.2	0.264	66	95	5.5	287	0.29	76.55	0.28
A	3.25			15		2722	2.7	1.000	0.033	2.0	0.251	78	255	5.0	413	0.41	76.27	0.83
A	0.50			12		1361	1.4	1.000	0.016	1.0	0.212	82	41	710.4	16057	16.06	75.43	0.29
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.151 m³/h			Δp = 15892 Pa										
64-14									Φr = 1361 W Aut. =			Δp = 1000 Pa						
A	0.25			12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	55.15	0.08
RLV-S			dn = 15 mm		kv = 2.600			Δp = 52 Pa										
A	0.15			12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	55.07	0.03
A	2.25			12		1361	1.4	1.000	0.016	1.0	0.210	88	199	6.0	331	0.33	55.03	0.72
A	3.25			15		2722	2.7	1.000	0.033	2.0	0.248	85	275	1.5	321	0.32	54.12	0.44
A	0.60			18		4331	4.3	1.000	0.052	3.1	0.261	71	42	1.0	76	0.08	54.21	0.06
A	0.20			28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
A	5.00			35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
A	3.00			35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
A	9.00			42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
A	3.00			42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
A	2.00			42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
A	0.25			42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
A	5.00			42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
A	5.00			42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
A	2.00			42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
A	0.50			54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
A	2.00			54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
A	9.00			54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
A	5.00			54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
A	7.00			54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
A	2.00			54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
A	0.50			54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
A	2.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
A	16.00			54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
A	13.00			54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
A	4.00			54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
A	3.00			54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
A	3.00			54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
A	5.00			76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
A	5.00			76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
A	1.00			76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
A	2.10			76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
A	3.05			76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
MSV-F2 PN16			Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h					Δp = 2949 Pa										
Riser/Plot: / Circulation by the receiver: 26-1 in the room:																		
Δpdisp = 62267 Pa Δpgr = 15 Pa Δp = 62267 Pa Δpover = 0 Pa ΔH = -0.05 m LCIR = 255.91 m																		
GRANA 1													ΔpHS = 10000 Pa					
A	2.95			76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
FILTER			dn = 65 mm		kv = 63.090			Δp = 3659 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 61 Pa										

	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	10.00		28		19908	19.9	1.000	0.238	14.6	0.474	103	1032	0.5	1088	1.09	76.55	0.82
	A	2.25		28		19908	19.9	1.000	0.238	14.6	0.474	103	232	0.3	266	0.27	75.73	0.15
	A	2.90		28		19908	19.9	1.000	0.238	14.6	0.474	103	300	0.3	333	0.33	75.58	0.24
	A	0.80		18		5688	5.7	1.000	0.068	4.2	0.347	107	85	5.5	416	0.42	75.35	0.12
	A	0.75		15		2844	2.8	1.000	0.034	2.1	0.263	85	64	378.9	13122	13.12	75.23	0.25
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.349 m³/h		Δp = 12938 Pa											
	26-1								Φr = 2844 W	Aut. =		Δp = 1000 Pa						
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	91	18	7.1	256	0.26	54.98	0.04
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 228 Pa											
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	14	1.0	47	0.05	54.95	0.02
	A	0.45		28		19908	19.9	1.000	0.238	14.5	0.468	110	49	0.3	82	0.08	53.16	0.02
	A	2.30		28		19908	19.9	1.000	0.238	14.5	0.468	110	253	0.3	286	0.29	53.14	0.08
	A	10.00		28		19908	19.9	1.000	0.238	14.5	0.468	110	1100	0.5	1154	1.15	53.06	0.42
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7		dn = 65 mm													
			kv = 69.300 m³/h				Δp = 2949 Pa											
	Riser/Plot: / Circulation by the receiver: 26-2 in the room:																	
	Δpdisp = 62267 Pa Δpgr = 16 Pa Δp = 62267 Pa Δpover = 0 Pa ΔH = -0.05 m LCIR = 260.81 m																	
	GRANA 1											ΔpHS = 10000 Pa						
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm		kv = 63.090		Δp = 3659 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 61 Pa											
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13

	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	10.00		28		19908	19.9	1.000	0.238	14.6	0.474	103	1032	0.5	1088	1.09	76.55	0.82
	A	2.25		28		19908	19.9	1.000	0.238	14.6	0.474	103	232	0.3	266	0.27	75.73	0.15
	A	2.90		28		19908	19.9	1.000	0.238	14.6	0.474	103	300	0.3	333	0.33	75.58	0.24
	A	0.80		18		5688	5.7	1.000	0.068	4.2	0.347	107	85	5.5	416	0.42	75.35	0.12
	A	0.80		15		2844	2.8	1.000	0.034	2.1	0.263	85	68	361.2	12516	12.52	75.23	0.26
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.357 m³/h Δp = 12327 Pa															
	26-2		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	91	23	7.1	261	0.26	54.97	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 228 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	14	1.0	47	0.05	54.92	0.02
	A	4.80		28		17064	17.1	1.000	0.204	12.4	0.401	84	401	2.5	602	0.60	53.10	0.24
	A	0.45		28		19908	19.9	1.000	0.238	14.5	0.468	110	49	0.3	82	0.08	53.16	0.02
	A	2.30		28		19908	19.9	1.000	0.238	14.5	0.468	110	253	0.3	286	0.29	53.14	0.08
	A	10.00		28		19908	19.9	1.000	0.238	14.5	0.468	110	1100	0.5	1154	1.15	53.06	0.42
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 26-4 in the room:																	
	Δpdisp = 62267 Pa Δpgr = 15 Pa Δp = 62267 Pa Δpover = 0 Pa ΔH = -0.05 m LCIR = 273.01 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30

	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	10.00		28		19908	19.9	1.000	0.238	14.6	0.474	103	1032	0.5	1088	1.09	76.55	0.82
	A	2.25		28		19908	19.9	1.000	0.238	14.6	0.474	103	232	0.3	266	0.27	75.73	0.15
	A	2.90		28		19908	19.9	1.000	0.238	14.6	0.474	103	300	0.3	333	0.33	75.58	0.24
	A	6.25		28		14220	14.2	1.000	0.170	10.5	0.338	57	354	0.5	383	0.38	75.35	0.70
	A	0.80		18		5688	5.7	1.000	0.068	4.2	0.347	107	85	5.5	416	0.42	74.65	0.11
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.262	85	60	313.6	10856	10.86	74.53	0.23
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.384 m³/h Δp = 10676 Pa															
	26-4		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	91	18	7.1	256	0.26	54.30	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 228 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	14	1.0	47	0.05	54.27	0.02
	A	4.80		22		11376	11.4	1.000	0.136	8.3	0.456	147	706	4.5	1174	1.17	52.76	0.29
	A	1.30		28		14220	14.2	1.000	0.170	10.3	0.334	61	79	0.5	107	0.11	52.82	0.08
	A	4.80		28		17064	17.1	1.000	0.204	12.4	0.401	84	401	2.5	602	0.60	53.10	0.24
	A	0.45		28		19908	19.9	1.000	0.238	14.5	0.468	110	49	0.3	82	0.08	53.16	0.02
	A	2.30		28		19908	19.9	1.000	0.238	14.5	0.468	110	253	0.3	286	0.29	53.14	0.08
	A	10.00		28		19908	19.9	1.000	0.238	14.5	0.468	110	1100	0.5	1154	1.15	53.06	0.42
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 26-3 in the room:																	
	Δpdisp = 62267 Pa Δpgr = 15 Pa Δp = 62267 Pa Δpover = 0 Pa ΔH = -0.05 m LCIR = 268.41 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40

	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	10.00		28		19908	19.9	1.000	0.238	14.6	0.474	103	1032	0.5	1088	1.09	76.55	0.82
	A	2.25		28		19908	19.9	1.000	0.238	14.6	0.474	103	232	0.3	266	0.27	75.73	0.15
	A	2.90		28		19908	19.9	1.000	0.238	14.6	0.474	103	300	0.3	333	0.33	75.58	0.24
	A	6.25		28		14220	14.2	1.000	0.170	10.5	0.338	57	354	0.5	383	0.38	75.35	0.70
	A	0.80		18		5688	5.7	1.000	0.068	4.2	0.347	107	85	5.5	416	0.42	74.65	0.11
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.262	85	72	347.2	12026	12.03	74.53	0.28
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.365 m³/h		Δp = 11833 Pa												
	26-3					Φr = 2844 W Aut. =				Δp = 1000 Pa								
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	91	23	7.1	261	0.26	54.26	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 228 Pa												
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	14	1.0	47	0.05	54.21	0.02
	A	1.30		28		14220	14.2	1.000	0.170	10.3	0.334	61	79	0.5	107	0.11	52.82	0.08
	A	4.80		28		17064	17.1	1.000	0.204	12.4	0.401	84	401	2.5	602	0.60	53.10	0.24
	A	0.45		28		19908	19.9	1.000	0.238	14.5	0.468	110	49	0.3	82	0.08	53.16	0.02
	A	2.30		28		19908	19.9	1.000	0.238	14.5	0.468	110	253	0.3	286	0.29	53.14	0.08
	A	10.00		28		19908	19.9	1.000	0.238	14.5	0.468	110	1100	0.5	1154	1.15	53.06	0.42
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7	dn = 65 mm														
			kv = 69.300 m³/h	Δp = 2949 Pa														
	Riser/Plot: / Circulation by the receiver: 26-5 in the room:																	
	Δpdisp = 62266 Pa Δpgr = 15 Pa Δp = 62266 Pa Δpover = 0 Pa ΔH = -0.05 m LCIR = 281.01 m																	
	GRANA 1					ΔpHS = 10000 Pa												
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm	kv = 63.090		Δp = 3659 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 61 Pa												
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01

	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	10.00		28		19908	19.9	1.000	0.238	14.6	0.474	103	1032	0.5	1088	1.09	76.55	0.82
	A	2.25		28		19908	19.9	1.000	0.238	14.6	0.474	103	232	0.3	266	0.27	75.73	0.15
	A	2.90		28		19908	19.9	1.000	0.238	14.6	0.474	103	300	0.3	333	0.33	75.58	0.24
	A	6.25		28		14220	14.2	1.000	0.170	10.5	0.338	57	354	0.5	383	0.38	75.35	0.70
	A	6.30		22		8532	8.5	1.000	0.102	6.3	0.346	83	521	1.0	581	0.58	74.65	0.94
	A	0.80		18		5688	5.7	1.000	0.068	4.2	0.346	107	86	5.5	415	0.42	73.71	0.11
	A	0.80		15		2844	2.8	1.000	0.034	2.1	0.262	85	68	291.8	10105	10.10	73.59	0.25
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.398 m³/h Δp = 9916 Pa															
	26-5		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.259	91	18	7.1	256	0.26	53.34	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 227 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.259	91	14	1.0	47	0.05	53.30	0.02
	A	1.60		22		8532	8.5	1.000	0.102	6.2	0.342	88	142	0.5	171	0.17	52.39	0.13
	A	4.80		22		11376	11.4	1.000	0.136	8.3	0.456	147	706	4.5	1174	1.17	52.76	0.29
	A	1.30		28		14220	14.2	1.000	0.170	10.3	0.334	61	79	0.5	107	0.11	52.82	0.08
	A	4.80		28		17064	17.1	1.000	0.204	12.4	0.401	84	401	2.5	602	0.60	53.10	0.24
	A	0.45		28		19908	19.9	1.000	0.238	14.5	0.468	110	49	0.3	82	0.08	53.16	0.02
	A	2.30		28		19908	19.9	1.000	0.238	14.5	0.468	110	253	0.3	286	0.29	53.14	0.08
	A	10.00		28		19908	19.9	1.000	0.238	14.5	0.468	110	1100	0.5	1154	1.15	53.06	0.42
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 26-6 in the room:																	
	Δpdisp = 62266 Pa Δpgr = 14 Pa Δp = 62266 Pa Δpover = 0 Pa ΔH = -0.05 m LCIR = 285.81 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30
	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05

	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	10.00		28		19908	19.9	1.000	0.238	14.6	0.474	103	1032	0.5	1088	1.09	76.55	0.82
	A	2.25		28		19908	19.9	1.000	0.238	14.6	0.474	103	232	0.3	266	0.27	75.73	0.15
	A	2.90		28		19908	19.9	1.000	0.238	14.6	0.474	103	300	0.3	333	0.33	75.58	0.24
	A	6.25		28		14220	14.2	1.000	0.170	10.5	0.338	57	354	0.5	383	0.38	75.35	0.70
	A	6.30		22		8532	8.5	1.000	0.102	6.3	0.346	83	521	1.0	581	0.58	74.65	0.94
	A	0.80		18		5688	5.7	1.000	0.068	4.2	0.346	107	86	5.5	415	0.42	73.71	0.11
	A	0.75		15		2844	2.8	1.000	0.034	2.1	0.262	85	64	266.4	9228	9.23	73.59	0.24
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.417 m³/h Δp = 9043 Pa															
	26-6		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.259	91	23	7.1	260	0.26	53.35	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 227 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.259	91	14	1.0	47	0.05	53.31	0.02
	A	4.80		18		5688	5.7	1.000	0.068	4.1	0.342	115	550	5.5	872	0.87	52.42	0.48
	A	1.60		22		8532	8.5	1.000	0.102	6.2	0.342	88	142	0.5	171	0.17	52.39	0.13
	A	4.80		22		11376	11.4	1.000	0.136	8.3	0.456	147	706	4.5	1174	1.17	52.76	0.29
	A	1.30		28		14220	14.2	1.000	0.170	10.3	0.334	61	79	0.5	107	0.11	52.82	0.08
	A	4.80		28		17064	17.1	1.000	0.204	12.4	0.401	84	401	2.5	602	0.60	53.10	0.24
	A	0.45		28		19908	19.9	1.000	0.238	14.5	0.468	110	49	0.3	82	0.08	53.16	0.02
	A	2.30		28		19908	19.9	1.000	0.238	14.5	0.468	110	253	0.3	286	0.29	53.14	0.08
	A	10.00		28		19908	19.9	1.000	0.238	14.5	0.468	110	1100	0.5	1154	1.15	53.06	0.42
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 26-7 in the room:																	
	Δpdisp = 62266 Pa Δpgr = 14 Pa Δp = 62266 Pa Δpover = 0 Pa ΔH = -0.05 m LCIR = 292.81 m																	
	GRANA 1		ΔpHS = 10000 Pa															
	A	2.95		76		272794	272.8	1.000	3.258	201.1	0.821	78	230	11.2	4012	4.01	80.00	0.05
	FILTER		dn = 65 mm kv = 63.090 Δp = 3659 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 61 Pa															
	A	1.40		76		272794	272.8	1.000	3.258	201.1	0.821	78	109	0.3	210	0.21	79.95	0.02
	A	1.00		76		180949	180.9	1.000	2.161	133.4	0.545	37	37	3.0	482	0.48	79.93	0.02
	A	5.00		76		170553	170.6	1.000	2.037	125.7	0.513	33	165	0.5	231	0.23	79.91	0.12
	A	5.00		76		160157	160.2	1.000	1.913	118.1	0.482	29	147	0.5	205	0.21	79.79	0.13
	A	3.00		54		149761	149.8	1.000	1.789	110.4	0.901	141	423	1.0	829	0.83	79.66	0.06
	A	3.00		54		144784	144.8	1.000	1.729	106.7	0.871	132	397	0.5	587	0.59	79.60	0.06
	A	4.00		54		139807	139.8	1.000	1.670	103.1	0.841	124	497	0.5	674	0.67	79.53	0.09
	A	13.00		54		132875	132.9	1.000	1.587	97.9	0.799	113	1471	0.5	1631	1.63	79.44	0.30

	A	16.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	1569	0.5	1705	1.71	79.14	0.40
	A	2.00		54		122856	122.9	1.000	1.467	90.5	0.739	98	196	0.0	196	0.20	78.75	0.05
	A	0.50		54		115924	115.9	1.000	1.384	85.4	0.697	88	44	0.5	165	0.17	78.70	0.01
	A	2.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	158	0.5	265	0.26	78.68	0.06
	A	7.00		54		108992	109.0	1.000	1.302	80.3	0.655	79	552	0.0	552	0.55	78.63	0.19
	A	5.00		54		98973	99.0	1.000	1.182	72.9	0.595	66	331	0.5	419	0.42	78.43	0.15
	A	0.50		54		98973	99.0	1.000	1.182	72.9	0.595	66	33	0.0	33	0.03	78.28	0.02
	A	2.00		54		88954	89.0	1.000	1.062	65.5	0.535	54	109	0.5	180	0.18	78.27	0.07
	A	0.50		54		82022	82.0	1.000	0.980	60.4	0.493	47	24	0.5	84	0.08	78.20	0.02
	A	2.00		42		75090	75.1	1.000	0.897	55.3	0.772	148	295	1.0	593	0.59	78.18	0.06
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.5	681	0.68	78.12	0.19
	A	5.00		42		65071	65.1	1.000	0.777	47.9	0.669	114	569	0.0	569	0.57	77.93	0.18
	A	0.45		42		55052	55.1	1.000	0.657	40.5	0.566	84	38	0.5	118	0.12	77.75	0.02
	A	2.00		42		55052	55.1	1.000	0.657	40.5	0.566	84	168	0.0	168	0.17	77.73	0.09
	A	3.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	197	0.5	258	0.26	77.64	0.15
	A	9.00		42		48120	48.1	1.000	0.575	35.4	0.494	66	593	0.0	593	0.59	77.49	0.44
	A	3.00		35		38101	38.1	1.000	0.455	28.0	0.581	113	338	1.0	507	0.51	77.05	0.16
	A	5.00		35		31417	31.4	1.000	0.375	23.1	0.479	80	398	0.5	455	0.46	76.89	0.32
	A	0.20		28		24239	24.2	1.000	0.289	17.8	0.578	147	29	1.0	196	0.20	76.57	0.01
	A	10.00		28		19908	19.9	1.000	0.238	14.6	0.474	103	1032	0.5	1088	1.09	76.55	0.82
	A	2.25		28		19908	19.9	1.000	0.238	14.6	0.474	103	232	0.3	266	0.27	75.73	0.15
	A	2.90		28		19908	19.9	1.000	0.238	14.6	0.474	103	300	0.3	333	0.33	75.58	0.24
	A	6.25		28		14220	14.2	1.000	0.170	10.5	0.338	57	354	0.5	383	0.38	75.35	0.70
	A	6.30		22		8532	8.5	1.000	0.102	6.3	0.346	83	521	1.0	581	0.58	74.65	0.94
	A	3.55		15		2844	2.8	1.000	0.034	2.1	0.262	85	303	1.0	337	0.34	73.71	1.12
	A	0.80		15		2844	2.8	1.000	0.034	2.1	0.262	86	68	4.3	216	0.22	72.59	0.18
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.262	86	60	250.8	8673	8.67	72.40	0.22
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.427 m³/h Δp = 8603 Pa															
	26-7		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.259	92	23	7.1	260	0.26	52.19	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 227 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.259	92	14	0.3	24	0.02	52.15	0.02
	A	3.50		15		2844	2.8	1.000	0.034	2.1	0.259	92	322	3.5	440	0.44	52.13	0.59
	A	4.80		18		5688	5.7	1.000	0.068	4.1	0.342	115	550	5.5	872	0.87	52.42	0.48
	A	1.60		22		8532	8.5	1.000	0.102	6.2	0.342	88	142	0.5	171	0.17	52.39	0.13
	A	4.80		22		11376	11.4	1.000	0.136	8.3	0.456	147	706	4.5	1174	1.17	52.76	0.29
	A	1.30		28		14220	14.2	1.000	0.170	10.3	0.334	61	79	0.5	107	0.11	52.82	0.08
	A	4.80		28		17064	17.1	1.000	0.204	12.4	0.401	84	401	2.5	602	0.60	53.10	0.24
	A	0.45		28		19908	19.9	1.000	0.238	14.5	0.468	110	49	0.3	82	0.08	53.16	0.02
	A	2.30		28		19908	19.9	1.000	0.238	14.5	0.468	110	253	0.3	286	0.29	53.14	0.08
	A	10.00		28		19908	19.9	1.000	0.238	14.5	0.468	110	1100	0.5	1154	1.15	53.06	0.42
	A	0.20		28		24239	24.2	1.000	0.289	17.6	0.570	156	31	1.5	275	0.28	52.90	0.01
	A	5.00		35		31417	31.4	1.000	0.375	22.8	0.473	85	424	0.5	479	0.48	53.05	0.16
	A	3.00		35		38101	38.1	1.000	0.455	27.7	0.574	120	359	1.5	606	0.61	53.04	0.08
	A	9.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	630	0.0	630	0.63	53.41	0.23
	A	3.00		42		48120	48.1	1.000	0.575	35.0	0.488	70	210	0.5	269	0.27	53.19	0.08
	A	2.00		42		55052	55.1	1.000	0.657	40.0	0.558	89	178	0.0	178	0.18	53.28	0.04
	A	0.25		42		55052	55.1	1.000	0.657	40.0	0.558	89	23	0.5	100	0.10	53.24	0.01
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.0	602	0.60	53.63	0.09
	A	5.00		42		65071	65.1	1.000	0.777	47.3	0.660	120	602	0.5	711	0.71	53.54	0.09
	A	2.00		42		75090	75.1	1.000	0.897	54.6	0.761	156	312	1.5	746	0.75	53.80	0.03
	A	0.50		54		82022	82.0	1.000	0.980	59.6	0.486	50	25	0.5	84	0.08	53.87	0.01
	A	2.00		54		88954	89.0	1.000	1.062	64.7	0.527	58	115	0.5	185	0.18	53.95	0.03
	A	9.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	629	0.0	629	0.63	54.16	0.14
	A	5.00		54		98973	99.0	1.000	1.182	71.9	0.587	70	350	0.5	436	0.44	54.02	0.08
	A	7.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	582	0.0	582	0.58	54.17	0.10
	A	2.00		54		108992	109.0	1.000	1.302	79.2	0.646	83	166	0.5	271	0.27	54.07	0.03
	A	0.50		54		115924	115.9	1.000	1.384	84.3	0.687	93	47	0.5	165	0.16	54.14	0.01
	A	2.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	207	0.0	207	0.21	54.21	0.03
	A	16.00		54		122856	122.9	1.000	1.467	89.3	0.729	103	1654	0.5	1787	1.79	54.19	0.20
	A	13.00		54		132875	132.9	1.000	1.587	96.6	0.788	119	1550	0.5	1705	1.70	54.22	0.15
	A	4.00		54		139807	139.8	1.000	1.670	101.6	0.829	131	523	0.5	695	0.69	54.18	0.04
	A	3.00		54		144784	144.8	1.000	1.729	105.2	0.859	139	418	0.5	602	0.60	54.21	0.03
	A	3.00		54		149761	149.8	1.000	1.789	108.9	0.888	148	445	1.5	1036	1.04	54.26	0.03
	A	5.00		76		160157	160.2	1.000	1.913	116.4	0.475	31	156	0.5	213	0.21	54.43	0.07
	A	5.00		76		170553	170.6	1.000	2.037	124.0	0.506	35	175	0.5	239	0.24	54.55	0.06
	A	1.00		76		180949	180.9	1.000	2.161	131.6	0.537	39	39	3.0	472	0.47	54.66	0.01
	A	2.10		76		272794	272.8	1.000	3.258	198.3	0.810	82	172	0.3	270	0.27	54.75	0.01
	A	3.05		76		272794	272.8	1.000	3.258	198.3	0.810	82	250	9.0	3199	3.20	54.73	0.02
	MSV-F2 PN16		Preset: 7 dn = 65 mm															
			kv = 69.300 m³/h Δp = 2949 Pa															
	Riser/Plot: / Circulation by the receiver: 41-1 in the room:																	
	Δpdisp = 71523 Pa Δpgr = 274 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 59.62 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02

	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	3.50		22		10664	10.7	1.000	0.127	7.9	0.434	122	426	3.0	709	0.71	79.58	0.47
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	5.5	372	0.37	79.11	0.14
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.247	75	30	1393.5	42426	42.43	78.97	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.181 m³/h Δp = 42289 Pa															
	41-1		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	58.81	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 201 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	1.0	42	0.04	58.76	0.02
	A	1.35		22		10664	10.7	1.000	0.127	7.8	0.429	129	175	4.0	542	0.54	57.48	0.10
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 41-2 in the room:																	
	Δpdisp = 71523 Pa Δpgr = 274 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 63.72 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	3.50		22		10664	10.7	1.000	0.127	7.9	0.434	122	426	3.0	709	0.71	79.58	0.47
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	5.5	372	0.37	79.11	0.14
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.247	75	34	1379.7	42009	42.01	78.97	0.17
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.182 m³/h Δp = 41869 Pa															
	41-2		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	58.80	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 201 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	1.0	42	0.04	58.75	0.02
	A	4.10		22		7998	8.0	1.000	0.096	5.8	0.322	78	318	2.0	421	0.42	57.47	0.41
	A	1.35		22		10664	10.7	1.000	0.127	7.8	0.429	129	175	4.0	542	0.54	57.48	0.10
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 41-4 in the room:																	
	Δpdisp = 71522 Pa Δpgr = 273 Pa Δp = 71522 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 75.10 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	3.50		22		10664	10.7	1.000	0.127	7.9	0.434	122	426	3.0	709	0.71	79.58	0.47
	A	5.69		18		5332	5.3	1.000	0.064	3.9	0.326	94	537	1.0	590	0.59	79.11	1.26
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.325	94	80	4.3	308	0.31	77.85	0.14
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.246	75	30	1341.1	40768	40.77	77.71	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.185 m³/h Δp = 40631 Pa															
	41-4		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	57.56	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 201 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	57.51	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.244	81	330	5.5	493	0.49	57.48	0.88
	A	1.59		18		5332	5.3	1.000	0.064	3.9	0.322	100	160	1.5	238	0.24	57.04	0.20
	A	4.10		22		7998	8.0	1.000	0.096	5.8	0.322	78	318	2.0	421	0.42	57.47	0.41
	A	1.35		22		10664	10.7	1.000	0.127	7.8	0.429	129	175	4.0	542	0.54	57.48	0.10
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04

	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 41-3 in the room:																	
	Δpdisp = 71522 Pa Δpgr = 273 Pa Δp = 71522 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 71.00 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	3.50		22		10664	10.7	1.000	0.127	7.9	0.434	122	426	3.0	709	0.71	79.58	0.47
	A	5.69		18		5332	5.3	1.000	0.064	3.9	0.326	94	537	1.0	590	0.59	79.11	1.26
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.325	94	80	4.3	308	0.31	77.85	0.14
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.246	75	34	1356.7	41245	41.24	77.71	0.17
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.184 m³/h		Δp = 41104 Pa												
	41-3									Φr = 2666 W	Aut. =		Δp = 1000 Pa					
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	57.54	0.04
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 201 Pa												
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	1.0	42	0.04	57.50	0.02
	A	1.59		18		5332	5.3	1.000	0.064	3.9	0.322	100	160	1.5	238	0.24	57.04	0.20
	A	4.10		22		7998	8.0	1.000	0.096	5.8	0.322	78	318	2.0	421	0.42	57.47	0.41
	A	1.35		22		10664	10.7	1.000	0.127	7.8	0.429	129	175	4.0	542	0.54	57.48	0.10
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 58-2 in the room:																	
	Δpdisp = 71523 Pa Δpgr = 274 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 56.90 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	0.85		28		15614	15.6	1.000	0.186	11.5	0.373	66	56	3.0	265	0.26	79.58	0.08
	A	0.40		15		2475	2.5	1.000	0.030	1.8	0.229	66	26	1659.3	43561	43.56	79.50	0.16
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.166 m³/h		Δp = 43496 Pa												
	58-2									Φr = 2475 W	Aut. =		Δp = 1000 Pa					
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	70	18	7.1	198	0.20	59.34	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 173 Pa												
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	70	11	0.3	18	0.02	59.28	0.03
	A	2.15		15		2475	2.5	1.000	0.030	1.8	0.226	70	151	5.0	279	0.28	59.25	0.53
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 70-1 in the room:																	
	Δpdisp = 71804 Pa Δpgr = 555 Pa Δp = 71804 Pa Δpover = 0 Pa ΔH = 6.05 m LCIR = 65.92 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												

	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	0.85		28		15614	15.6	1.000	0.186	11.5	0.373	66	56	3.0	265	0.26	79.58	0.08
	A	2.30		28		13139	13.1	1.000	0.157	9.7	0.314	49	112	0.5	137	0.14	79.50	0.25
	A	3.50		18		5332	5.3	1.000	0.064	3.9	0.326	94	330	3.5	516	0.52	79.26	0.78
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.47	0.14
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.247	75	30	1395.5	42452	42.45	78.33	0.15
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.181 m³/h		Δp = 42316 Pa												
	70-1		Φr = 2666 W Aut. =			Δp = 1000 Pa												
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	58.18	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 201 Pa												
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	1.0	42	0.04	58.13	0.02
	A	1.35		18		5332	5.3	1.000	0.064	3.9	0.322	100	136	5.0	395	0.39	57.65	0.17
	A	3.15		28		13139	13.1	1.000	0.157	9.6	0.310	52	163	2.0	259	0.26	57.36	0.19
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 70-2 in the room:																	
	Δpdisp = 71804 Pa Δpgr = 555 Pa Δp = 71804 Pa Δpover = 0 Pa ΔH = 6.05 m LCIR = 70.02 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	0.85		28		15614	15.6	1.000	0.186	11.5	0.373	66	56	3.0	265	0.26	79.58	0.08
	A	2.30		28		13139	13.1	1.000	0.157	9.7	0.314	49	112	0.5	137	0.14	79.50	0.25
	A	3.50		18		5332	5.3	1.000	0.064	3.9	0.326	94	330	3.5	516	0.52	79.26	0.78
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.47	0.14
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.247	75	34	1381.9	42044	42.04	78.33	0.17
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.182 m³/h		Δp = 41903 Pa												
	70-2		Φr = 2666 W Aut. =			Δp = 1000 Pa												
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	58.16	0.04
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 201 Pa												
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	58.12	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.244	80	329	3.5	433	0.43	58.09	0.90
	A	1.35		18		5332	5.3	1.000	0.064	3.9	0.322	100	136	5.0	395	0.39	57.65	0.17
	A	3.15		28		13139	13.1	1.000	0.157	9.6	0.310	52	163	2.0	259	0.26	57.36	0.19
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 58-2 in the room:																	
	Δpdisp = 71805 Pa Δpgr = 556 Pa Δp = 71805 Pa Δpover = 0 Pa ΔH = 6.05 m LCIR = 63.20 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	0.95		35		26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06
	A	0.85		28		15614	15.6	1.000	0.186	11.5	0.373	66	56	3.0	265	0.26	79.58	0.08
	A	2.30		28		13139	13.1	1.000	0.157	9.7	0.314	49	112	0.5	137	0.14	79.50	0.25
	A	0.85		22		7807	7.8	1.000	0.093	5.8	0.318	70	59	4.0	261	0.26	79.26	0.12
	A	0.40		15		2475	2.5	1.000	0.030	1.8	0.229	66	26	1645.7	43185	43.19	79.14	0.16
	RA-DV S		Preset: N	dn = 15 mm														

			Q = m³/h	kv = 0.167 m³/h	Δp = 43120 Pa													
	58-2		Φr = 2475 W Aut. =	Δp = 1000 Pa														
	A	0.25	15	2475	2.5	1.000	0.030	1.8	0.226	70	18	7.1	198	0.20	58.97	0.06		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 173 Pa													
	A	0.15	15	2475	2.5	1.000	0.030	1.8	0.226	70	11	0.3	18	0.02	58.91	0.03		
	A	2.15	15	2475	2.5	1.000	0.030	1.8	0.226	70	151	5.0	279	0.28	58.88	0.52		
	A	3.15	28	13139	13.1	1.000	0.157	9.6	0.310	52	163	2.0	259	0.26	57.36	0.19		
	A	0.95	35	26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04		
	A	0.25	35	37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01		
	A	0.20	35	37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01		
	A	0.20	76	328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00		
	A	20.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13		
	A	2.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01		
	A	3.05	76	328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02		
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 77-5 in the room:																	
	Δpdisp = 72079 Pa Δpgr = 830 Pa Δp = 72079 Pa Δpover = 0 Pa ΔH = 9.15 m LCIR = 71.82 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95	76	328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02		
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25		
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00		
	A	0.40	35	37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02		
	A	0.45	35	37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03		
	A	0.95	35	26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06		
	A	0.85	28	15614	15.6	1.000	0.186	11.5	0.373	66	56	3.0	265	0.26	79.58	0.08		
	A	2.30	28	13139	13.1	1.000	0.157	9.7	0.314	49	112	0.5	137	0.14	79.50	0.25		
	A	0.85	22	7807	7.8	1.000	0.093	5.8	0.318	70	59	4.0	261	0.26	79.26	0.12		
	A	2.25	18	5332	5.3	1.000	0.064	3.9	0.326	94	212	1.0	265	0.26	79.14	0.38		
	A	3.25	18	5332	5.3	1.000	0.064	3.9	0.326	94	307	2.3	429	0.43	78.76	0.72		
	A	0.85	18	5332	5.3	1.000	0.064	3.9	0.325	94	80	4.3	308	0.31	78.04	0.14		
	A	0.40	15	2666	2.7	1.000	0.032	2.0	0.247	75	30	1378.5	41914	41.91	77.90	0.15		
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.182 m³/h	Δp = 41778 Pa													
	77-5		Φr = 2666 W Aut. =	Δp = 1000 Pa														
	A	0.25	15	2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	57.75	0.06		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 201 Pa													
	A	0.15	15	2666	2.7	1.000	0.032	1.9	0.244	80	12	1.0	42	0.04	57.69	0.02		
	A	1.30	18	5332	5.3	1.000	0.064	3.9	0.322	100	131	4.3	353	0.35	57.22	0.16		
	A	3.10	18	5332	5.3	1.000	0.064	3.9	0.322	100	311	2.0	415	0.41	57.06	0.29		
	A	3.15	28	13139	13.1	1.000	0.157	9.6	0.310	52	163	2.0	259	0.26	57.36	0.19		
	A	0.95	35	26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04		
	A	0.25	35	37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01		
	A	0.20	35	37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01		
	A	0.20	76	328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00		
	A	20.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13		
	A	2.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01		
	A	3.05	76	328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02		
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 77-4 in the room:																	
	Δpdisp = 72079 Pa Δpgr = 830 Pa Δp = 72079 Pa Δpover = 0 Pa ΔH = 9.15 m LCIR = 75.92 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95	76	328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02		
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25		
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00		
	A	0.40	35	37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02		
	A	0.45	35	37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03		
	A	0.95	35	26278	26.3	1.000	0.314	19.4	0.401	57	55	3.0	296	0.30	79.64	0.06		
	A	0.85	28	15614	15.6	1.000	0.186	11.5	0.373	66	56	3.0	265	0.26	79.58	0.08		
	A	2.30	28	13139	13.1	1.000	0.157	9.7	0.314	49	112	0.5	137	0.14	79.50	0.25		
	A	0.85	22	7807	7.8	1.000	0.093	5.8	0.318	70	59	4.0	261	0.26	79.26	0.12		
	A	2.25	18	5332	5.3	1.000	0.064	3.9	0.326	94	212	1.0	265	0.26	79.14	0.38		
	A	3.25	18	5332	5.3	1.000	0.064	3.9	0.326	94	307	2.3	429	0.43	78.76	0.72		
	A	0.85	18	5332	5.3	1.000	0.064	3.9	0.325	94	80	4.3	308	0.31	78.04	0.14		
	A	0.45	15	2666	2.7	1.000	0.032	2.0	0.247	75	34	1365.0	41505	41.51	77.90	0.17		
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.183 m³/h	Δp = 41365 Pa													
	77-4		Φr = 2666 W Aut. =	Δp = 1000 Pa														
	A	0.20	15	2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	57.73	0.04		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 201 Pa													
	A	0.15	15	2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	57.69	0.02		
	A	4.10	15	2666	2.7	1.000	0.032	1.9	0.244	80	330	3.5	434	0.43	57.66	0.89		
	A	1.30	18	5332	5.3	1.000	0.064	3.9	0.322	100	131	4.3	353	0.35	57.22	0.16		

	A	3.10		18		5332	5.3	1.000	0.064	3.9	0.322	100	311	2.0	415	0.41	57.06	0.29
	A	3.15		28		13139	13.1	1.000	0.157	9.6	0.310	52	163	2.0	259	0.26	57.36	0.19
	A	0.95		35		26278	26.3	1.000	0.314	19.1	0.396	61	58	3.0	293	0.29	57.40	0.04
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 40-2 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 60.71 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	2.10		22		11020	11.0	1.000	0.132	8.1	0.449	129	271	3.5	623	0.62	79.64	0.21
	A	3.15		18		5332	5.3	1.000	0.064	3.9	0.326	94	297	5.5	589	0.59	79.43	0.71
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.72	0.14
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.247	75	30	1370.5	41704	41.70	78.58	0.15
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.183 m³/h		Δp = 41568 Pa												
	40-2		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	58.43	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 201 Pa												
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	1.0	42	0.04	58.37	0.02
	A	0.50		18		5332	5.3	1.000	0.064	3.9	0.322	100	50	8.0	464	0.46	57.89	0.06
	A	2.10		22		11020	11.0	1.000	0.132	8.0	0.443	136	287	4.0	680	0.68	57.84	0.12
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 40-1 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 64.81 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	0.40		35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02
	A	0.45		35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03
	A	2.10		22		11020	11.0	1.000	0.132	8.1	0.449	129	271	3.5	623	0.62	79.64	0.21
	A	3.15		18		5332	5.3	1.000	0.064	3.9	0.326	94	297	5.5	589	0.59	79.43	0.71
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.72	0.14
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.247	75	34	1356.9	41296	41.30	78.58	0.17
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.184 m³/h		Δp = 41156 Pa												
	40-1		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	58.41	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 201 Pa												
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	58.37	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.244	80	329	3.5	433	0.43	58.34	0.91
	A	0.50		18		5332	5.3	1.000	0.064	3.9	0.322	100	50	8.0	464	0.46	57.89	0.06
	A	2.10		22		11020	11.0	1.000	0.132	8.0	0.443	136	287	4.0	680	0.68	57.84	0.12
	A	0.25		35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01
	A	0.20		35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 02-1 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 61.06 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												

	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	0.40	35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02	
	A	0.45	35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03	
	A	2.10	22		11020	11.0	1.000	0.132	8.1	0.449	129	271	3.5	623	0.62	79.64	0.21	
	A	3.50	18		5688	5.7	1.000	0.068	4.2	0.347	106	370	5.5	702	0.70	79.43	0.74	
	A	0.85	18		5688	5.7	1.000	0.068	4.2	0.347	106	90	4.3	349	0.35	78.70	0.13	
	A	0.40	15		2844	2.8	1.000	0.034	2.1	0.263	84	34	1196.8	41449	41.45	78.56	0.14	
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.196 m³/h			Δp = 41295 Pa										
	02-1		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25	15		2844	2.8	1.000	0.034	2.1	0.260	90	22	7.1	261	0.26	58.42	0.05	
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 229 Pa										
	A	0.15	15		2844	2.8	1.000	0.034	2.1	0.260	90	13	1.0	47	0.05	58.37	0.02	
	A	0.50	18		5688	5.7	1.000	0.068	4.1	0.343	112	56	8.0	528	0.53	57.92	0.06	
	A	2.10	22		11020	11.0	1.000	0.132	8.0	0.443	136	287	4.0	680	0.68	57.84	0.12	
	A	0.25	35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01	
	A	0.20	35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01	
	A	0.20	76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00	
	A	20.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13	
	A	2.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01	
	A	3.05	76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02	
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h					Δp = 3293 Pa										
	Riser/Plot: / Circulation by the receiver: 02-2 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 65.16 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95	76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04	
	FILTER		dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	0.40	35		37298	37.3	1.000	0.445	27.5	0.570	108	43	1.5	287	0.29	79.69	0.02	
	A	0.45	35		37298	37.3	1.000	0.445	27.5	0.570	108	49	0.3	98	0.10	79.67	0.03	
	A	2.10	22		11020	11.0	1.000	0.132	8.1	0.449	129	271	3.5	623	0.62	79.64	0.21	
	A	3.50	18		5688	5.7	1.000	0.068	4.2	0.347	106	370	5.5	702	0.70	79.43	0.74	
	A	0.85	18		5688	5.7	1.000	0.068	4.2	0.347	106	90	4.3	349	0.35	78.70	0.13	
	A	0.45	15		2844	2.8	1.000	0.034	2.1	0.263	84	38	1183.5	40991	40.99	78.56	0.16	
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.197 m³/h			Δp = 40832 Pa										
	02-2		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20	15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	58.40	0.04	
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 229 Pa										
	A	0.15	15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.36	0.02	
	A	4.10	15		2844	2.8	1.000	0.034	2.1	0.260	90	368	3.5	487	0.49	58.34	0.85	
	A	0.50	18		5688	5.7	1.000	0.068	4.1	0.343	112	56	8.0	528	0.53	57.92	0.06	
	A	2.10	22		11020	11.0	1.000	0.132	8.0	0.443	136	287	4.0	680	0.68	57.84	0.12	
	A	0.25	35		37298	37.3	1.000	0.445	27.2	0.563	114	29	0.3	76	0.08	57.47	0.01	
	A	0.20	35		37298	37.3	1.000	0.445	27.2	0.563	114	23	1.0	181	0.18	57.46	0.01	
	A	0.20	76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00	
	A	20.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13	
	A	2.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01	
	A	3.05	76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02	
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h					Δp = 3293 Pa										
	Riser/Plot: / Circulation by the receiver: 41-5 in the room:																	
	Δpdisp = 71520 Pa Δpgr = 272 Pa Δp = 71520 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 63.42 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95	76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04	
	FILTER		dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	3.00	76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04	
	A	0.40	22		7807	7.8	1.000	0.093	5.8	0.318	70	28	1.5	104	0.10	79.65	0.06	
	A	0.45	22		7807	7.8	1.000	0.093	5.8	0.318	70	32	0.3	47	0.05	79.59	0.08	
	A	0.95	18		5332	5.3	1.000	0.064	3.9	0.326	94	89	3.5	275	0.28	79.51	0.16	
	A	2.30	18		5332	5.3	1.000	0.064	3.9	0.326	94	217	0.3	233	0.23	79.34	0.52	
	A	0.85	18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.83	0.14	
	A	0.40	15		2666	2.7	1.000	0.032	2.0	0.247	75	30	1411.0	42941	42.94	78.68	0.15	
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.180 m³/h			Δp = 42805 Pa										
	41-5		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25	15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	58.53	0.06	
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 201 Pa										

	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	1.0	42	0.04	58.48	0.02
	A	0.35		18		5332	5.3	1.000	0.064	3.9	0.322	100	35	0.3	51	0.05	57.99	0.05
	A	0.95		18		5332	5.3	1.000	0.064	3.9	0.322	100	95	4.0	302	0.30	57.95	0.09
	A	0.25		22		7807	7.8	1.000	0.093	5.7	0.314	74	19	0.3	34	0.03	57.86	0.03
	A	0.20		22		7807	7.8	1.000	0.093	5.7	0.314	74	15	1.0	64	0.06	57.83	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 41-6 in the room:																	
	Δpdisp = 71520 Pa Δpgr = 272 Pa Δp = 71520 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 67.52 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	0.40		22		7807	7.8	1.000	0.093	5.8	0.318	70	28	1.5	104	0.10	79.65	0.06
	A	0.45		22		7807	7.8	1.000	0.093	5.8	0.318	70	32	0.3	47	0.05	79.59	0.08
	A	0.95		18		5332	5.3	1.000	0.064	3.9	0.326	94	89	3.5	275	0.28	79.51	0.16
	A	2.30		18		5332	5.3	1.000	0.064	3.9	0.326	94	217	0.3	233	0.23	79.34	0.52
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.83	0.14
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.247	75	34	1395.5	42474	42.47	78.68	0.17
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.181 m³/h Δp = 42333 Pa															
	41-6		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	58.51	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 201 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	58.47	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.244	80	329	5.5	492	0.49	58.44	0.91
	A	0.35		18		5332	5.3	1.000	0.064	3.9	0.322	100	35	0.3	51	0.05	57.99	0.05
	A	0.95		18		5332	5.3	1.000	0.064	3.9	0.322	100	95	4.0	302	0.30	57.95	0.09
	A	0.25		22		7807	7.8	1.000	0.093	5.7	0.314	74	19	0.3	34	0.03	57.86	0.03
	A	0.20		22		7807	7.8	1.000	0.093	5.7	0.314	74	15	1.0	64	0.06	57.83	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-3 in the room:																	
	Δpdisp = 71249 Pa Δpgr = 0 Pa Δp = 71249 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 63.96 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	0.40		22		7807	7.8	1.000	0.093	5.8	0.318	70	28	1.5	104	0.10	79.65	0.06
	A	0.45		22		7807	7.8	1.000	0.093	5.8	0.318	70	32	0.3	47	0.05	79.59	0.08
	A	1.35		15		2475	2.5	1.000	0.030	1.8	0.229	66	89	3.5	181	0.18	79.51	0.41
	A	0.50		15		2475	2.5	1.000	0.030	1.8	0.229	66	33	1647.5	43235	43.24	79.09	0.21
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.167 m³/h Δp = 43194 Pa															
	02-3		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	70	14	7.1	195	0.19	58.89	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 173 Pa															
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	70	11	0.3	18	0.02	58.84	0.03
	A	2.35		15		2475	2.5	1.000	0.030	1.8	0.226	70	165	2.3	224	0.22	58.81	0.57
	A	2.20		15		2475	2.5	1.000	0.030	1.8	0.226	70	155	4.0	258	0.26	58.24	0.38
	A	0.25		22		7807	7.8	1.000	0.093	5.7	0.314	74	19	0.3	34	0.03	57.86	0.03
	A	0.20		22		7807	7.8	1.000	0.093	5.7	0.314	74	15	1.0	64	0.06	57.83	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 42-2 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 273 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 75.43 m																	

	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	0.40		22		8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.58	0.05
	A	0.45		22		8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.53	0.07
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	68	66	3.5	195	0.20	79.46	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.27	0.58
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.69	0.17
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1973.2	41925	41.92	78.52	0.18
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.152 m³/h		Δp = 41828 Pa											
	42-2						Φr = 2228 W Aut. =						Δp = 1000 Pa					
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.34	0.07
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.27	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	241	5.0	345	0.34	58.24	1.08
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.70	0.11
	A	0.25		22		8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.42	0.02
	A	0.20		22		8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.40	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 42-1 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 273 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 71.33 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	0.40		22		8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.58	0.05
	A	0.45		22		8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.53	0.07
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	68	66	3.5	195	0.20	79.46	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.27	0.58
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.69	0.17
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1988.3	42248	42.25	78.52	0.20
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.152 m³/h		Δp = 42149 Pa											
	42-1						Φr = 2228 W Aut. =						Δp = 1000 Pa					
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	58.32	0.05
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	58.26	0.03
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.70	0.11
	A	0.25		22		8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.42	0.02
	A	0.20		22		8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.40	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 08-2 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 77.69 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											

	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	3.00	76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04	
	A	3.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04	
	A	1.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00	
	A	0.40	22		8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.58	0.05	
	A	0.45	22		8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.53	0.07	
	A	2.09	18		4456	4.5	1.000	0.053	3.3	0.272	69	143	3.5	273	0.27	79.46	0.42	
	A	2.15	18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.04	0.57	
	A	0.85	18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.46	0.17	
	A	0.40	15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1952.8	41480	41.48	78.29	0.18	
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.153 m³/h		Δp = 41384 Pa											
	08-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25	15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.11	0.07	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15	15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.05	0.03	
	A	4.10	15		2228	2.2	1.000	0.027	1.6	0.204	59	241	4.3	331	0.33	58.02	1.07	
	A	0.15	15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	56.95	0.03	
	A	1.94	18		4456	4.5	1.000	0.053	3.2	0.269	73	142	4.0	287	0.29	57.48	0.22	
	A	0.25	22		8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.42	0.02	
	A	0.20	22		8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.40	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00	
	A	1.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01	
	A	3.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02	
	A	3.00	76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02	
	A	0.20	76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00	
	A	20.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13	
	A	2.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01	
	A	3.05	76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02	
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 08-1 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 73.29 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95	76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04	
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	3.00	76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04	
	A	3.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04	
	A	1.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00	
	A	0.40	22		8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.58	0.05	
	A	0.45	22		8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.53	0.07	
	A	2.09	18		4456	4.5	1.000	0.053	3.3	0.272	69	143	3.5	273	0.27	79.46	0.42	
	A	2.15	18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.04	0.57	
	A	0.85	18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.46	0.17	
	A	0.45	15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1970.4	41855	41.85	78.29	0.20	
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.152 m³/h		Δp = 41756 Pa											
	08-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20	15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.8	173	0.17	58.09	0.05	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	1.94	18		4456	4.5	1.000	0.053	3.2	0.269	73	142	4.0	287	0.29	57.48	0.22	
	A	0.25	22		8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.42	0.02	
	A	0.20	22		8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.40	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00	
	A	1.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01	
	A	3.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02	
	A	3.00	76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02	
	A	0.20	76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00	
	A	20.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13	
	A	2.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01	
	A	3.05	76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02	
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 02-4 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 75.02 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95	76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04	
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	

	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	1.76		18		5688	5.7	1.000	0.068	4.2	0.348	106	186	5.5	518	0.52	79.56	0.28
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.263	84	59	1183.0	41029	41.03	79.28	0.25
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.197 m³/h Δp = 40849 Pa															
	02-4		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	89	22	7.1	261	0.26	59.03	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 229 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	89	13	0.3	24	0.02	58.97	0.02
	A	2.45		15		2844	2.8	1.000	0.034	2.1	0.260	90	219	6.0	422	0.42	58.95	0.52
	A	2.41		18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.42	0.22
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-3 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 75.02 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	1.76		18		5688	5.7	1.000	0.068	4.2	0.348	106	186	5.5	518	0.52	79.56	0.28
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	71	1183.0	41042	41.04	79.28	0.31
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.197 m³/h Δp = 40850 Pa															
	02-3		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	89	18	7.1	257	0.26	58.97	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 229 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	89	13	0.3	24	0.02	58.93	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	210	6.0	414	0.41	58.91	0.50
	A	2.41		18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.42	0.22
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-5 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 79.02 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	1.76		18		5688	5.7	1.000	0.068	4.2	0.348	106	186	5.5	518	0.52	79.53	0.28
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.263	84	59	1164.7	40394	40.39	79.25	0.25

	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.198 m³/h			Δp = 40214 Pa										
	02-5		Φr = 2844 W Aut. =					Δp = 1000 Pa										
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	89	22	7.1	261	0.26	59.00	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 229 Pa										
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	89	13	0.3	24	0.02	58.94	0.02
	A	2.45		15		2844	2.8	1.000	0.034	2.1	0.260	90	219	6.0	422	0.42	58.92	0.52
	A	2.41		18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.39	0.22
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 02-6 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 79.02 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	1.76		18		5688	5.7	1.000	0.068	4.2	0.348	106	186	5.5	518	0.52	79.53	0.28
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	71	1164.8	40408	40.41	79.25	0.31
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.198 m³/h			Δp = 40215 Pa										
	02-6		Φr = 2844 W Aut. =					Δp = 1000 Pa										
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	89	18	7.1	257	0.26	58.94	0.04
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 229 Pa										
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	89	13	0.3	24	0.02	58.90	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	210	6.0	414	0.41	58.88	0.50
	A	2.41		18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.39	0.22
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 42-3 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 273 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 88.43 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.40		22		8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.48	0.05
	A	0.45		22		8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.43	0.07
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.36	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.17	0.58
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.59	0.17
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1880.6	39952	39.95	78.42	0.18
	RA-DV S		Preset: 7		dn = 15 mm													

			Q = m³/h	kv = 0.156 m³/h	Δp = 39856 Pa													
	42-3		Φr = 2228 W Aut. =	Δp = 1000 Pa														
	A	0.25	15	2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.24	0.07		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 140 Pa													
	A	0.15	15	2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.17	0.03		
	A	4.10	15	2228	2.2	1.000	0.027	1.6	0.204	59	241	5.0	345	0.34	58.14	1.08		
	A	0.96	18	4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.60	0.11		
	A	0.25	22	8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.33	0.02		
	A	0.20	22	8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.31	0.01		
	A	3.00	76	263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02		
	A	2.00	76	268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02		
	A	1.50	76	274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01		
	A	0.20	76	283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00		
	A	1.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01		
	A	3.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02		
	A	3.00	76	291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02		
	A	0.20	76	328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00		
	A	20.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13		
	A	2.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01		
	A	3.05	76	328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02		
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 42-4 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 273 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 84.33 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95	76	328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02		
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25		
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00		
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04		
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04		
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01		
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00		
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02		
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03		
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05		
	A	0.40	22	8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.48	0.05		
	A	0.45	22	8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.43	0.07		
	A	0.96	18	4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.36	0.19		
	A	2.15	18	4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.17	0.58		
	A	0.85	18	4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.59	0.17		
	A	0.45	15	2228	2.2	1.000	0.027	1.6	0.206	55	25	1895.7	40276	40.28	78.42	0.20		
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.155 m³/h	Δp = 40176 Pa													
	42-4		Φr = 2228 W Aut. =	Δp = 1000 Pa														
	A	0.20	15	2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	58.22	0.05		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 140 Pa													
	A	0.15	15	2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	58.16	0.03		
	A	0.96	18	4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.60	0.11		
	A	0.25	22	8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.33	0.02		
	A	0.20	22	8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.31	0.01		
	A	3.00	76	263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02		
	A	2.00	76	268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02		
	A	1.50	76	274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01		
	A	0.20	76	283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00		
	A	1.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01		
	A	3.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02		
	A	3.00	76	291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02		
	A	0.20	76	328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00		
	A	20.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13		
	A	2.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01		
	A	3.05	76	328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02		
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 08-3 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 4 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 90.69 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95	76	328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04		
	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02		
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25		
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00		
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04		
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04		
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01		
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00		
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02		

	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.40		22		8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.48	0.05
	A	0.45		22		8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.43	0.07
	A	2.09		18		4456	4.5	1.000	0.053	3.3	0.272	69	143	3.5	273	0.27	79.36	0.42
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	78.94	0.57
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.36	0.17
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1860.1	39508	39.51	78.20	0.18
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.157 m³/h Δp = 39412 Pa															
	08-3		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.02	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.95	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	241	4.3	331	0.33	57.92	1.07
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	56.85	0.03
	A	1.94		18		4456	4.5	1.000	0.053	3.2	0.269	73	142	4.0	287	0.29	57.38	0.22
	A	0.25		22		8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.33	0.02
	A	0.20		22		8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.31	0.01
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 08-4 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 86.30 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.40		22		8912	8.9	1.000	0.106	6.6	0.363	88	35	1.5	134	0.13	79.48	0.05
	A	0.45		22		8912	8.9	1.000	0.106	6.6	0.363	88	40	0.3	60	0.06	79.43	0.07
	A	2.09		18		4456	4.5	1.000	0.053	3.3	0.272	69	143	3.5	273	0.27	79.36	0.42
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	78.94	0.57
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.36	0.17
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1877.7	39883	39.88	78.20	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.156 m³/h Δp = 39784 Pa															
	08-4		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.8	173	0.17	57.99	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	1.94		18		4456	4.5	1.000	0.053	3.2	0.269	73	142	4.0	287	0.29	57.38	0.22
	A	0.25		22		8912	8.9	1.000	0.106	6.5	0.358	94	24	0.3	43	0.04	57.33	0.02
	A	0.20		22		8912	8.9	1.000	0.106	6.5	0.358	94	19	1.0	83	0.08	57.31	0.01
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 43-2 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 272 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 91.43 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															

	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	0.40		22		8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.46	0.05
	A	0.55		22		8664	8.7	1.000	0.103	6.4	0.353	84	47	0.3	65	0.07	79.41	0.09
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.32	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.12	0.57
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.55	0.17
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1857.8	39466	39.47	78.38	0.18
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.157 m³/h		Δp = 39370 Pa											
	43-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.20	0.07
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.13	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	241	5.0	345	0.34	58.10	1.07
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.56	0.11
	A	0.35		22		8664	8.7	1.000	0.103	6.3	0.348	89	32	0.3	50	0.05	57.23	0.03
	A	0.20		22		8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.20	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 43-1 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 273 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 87.33 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	0.40		22		8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.46	0.05
	A	0.55		22		8664	8.7	1.000	0.103	6.4	0.353	84	47	0.3	65	0.07	79.41	0.09
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.32	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	79.12	0.57
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.55	0.17
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1872.9	39789	39.79	78.38	0.20
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.156 m³/h		Δp = 39690 Pa											
	43-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	58.18	0.05
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	58.12	0.03
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.56	0.11
	A	0.35		22		8664	8.7	1.000	0.103	6.3	0.348	89	32	0.3	50	0.05	57.23	0.03
	A	0.20		22		8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.20	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01

	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 07-2 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 93.69 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	0.40		22		8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.46	0.05
	A	0.55		22		8664	8.7	1.000	0.103	6.4	0.353	84	47	0.3	65	0.07	79.41	0.09
	A	2.09		18		4208	4.2	1.000	0.050	3.1	0.257	62	130	3.5	245	0.25	79.32	0.45
	A	2.15		18		4208	4.2	1.000	0.050	3.1	0.257	62	134	0.3	144	0.14	78.87	0.61
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.257	62	53	4.3	195	0.19	78.27	0.18
	A	0.40		15		2104	2.1	1.000	0.025	1.5	0.195	50	20	2068.5	39172	39.17	78.09	0.19
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.149 m³/h Δp = 39086 Pa															
	07-2		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2104	2.1	1.000	0.025	1.5	0.192	53	13	7.1	144	0.14	57.90	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	53	8	0.3	14	0.01	57.83	0.03
	A	4.10		15		2104	2.1	1.000	0.025	1.5	0.192	53	219	4.3	298	0.30	57.80	1.13
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	53	8	1.5	36	0.04	56.67	0.03
	A	1.94		18		4208	4.2	1.000	0.050	3.1	0.254	66	129	4.0	258	0.26	57.23	0.23
	A	0.35		22		8664	8.7	1.000	0.103	6.3	0.348	89	32	0.3	50	0.05	57.23	0.03
	A	0.20		22		8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.20	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 07-1 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 4 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 89.30 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02

	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	0.40		22		8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.46	0.05
	A	0.55		22		8664	8.7	1.000	0.103	6.4	0.353	84	47	0.3	65	0.07	79.41	0.09
	A	2.09		18		4208	4.2	1.000	0.050	3.1	0.257	62	130	3.5	245	0.25	79.32	0.45
	A	2.15		18		4208	4.2	1.000	0.050	3.1	0.257	62	134	0.3	144	0.14	78.87	0.61
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.257	62	53	4.3	195	0.19	78.27	0.18
	A	0.45		15		2104	2.1	1.000	0.025	1.5	0.195	50	22	2086.3	39510	39.51	78.09	0.21
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.148 m³/h Δp = 39421 Pa															
	07-1		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2104	2.1	1.000	0.025	1.5	0.192	53	11	7.8	154	0.15	57.87	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	1.94		18		4208	4.2	1.000	0.050	3.1	0.254	66	129	4.0	258	0.26	57.23	0.23
	A	0.35		22		8664	8.7	1.000	0.103	6.3	0.348	89	32	0.3	50	0.05	57.23	0.03
	A	0.20		22		8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.20	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-8 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 93.82 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	1.76		18		5688	5.7	1.000	0.068	4.2	0.348	106	186	5.5	518	0.52	79.41	0.28
	A	0.70		15		2844	2.8	1.000	0.034	2.1	0.263	84	59	1109.7	38485	38.49	79.13	0.25
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.203 m³/h Δp = 38305 Pa															
	02-8		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	89	22	7.1	261	0.26	58.88	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 229 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.83	0.02
	A	2.45		15		2844	2.8	1.000	0.034	2.1	0.260	90	220	6.0	423	0.42	58.80	0.52
	A	2.41		18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.27	0.22
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															

Riser/Plot: / Circulation by the receiver: 02-7 in the room:																		
Δpdisp = 71250 Pa Δpgr = 2 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 93.82 m																		
GRANA 2							ΔpHS = 10000 Pa											
A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
FILTER			dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
A	1.76			18		5688	5.7	1.000	0.068	4.2	0.348	106	186	5.5	518	0.52	79.41	0.28
A	0.85			15		2844	2.8	1.000	0.034	2.1	0.263	84	71	1109.8	38499	38.50	79.13	0.30
RA-DV S			Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.203 m³/h			Δp = 38306 Pa										
02-7			Φr = 2844 W Aut. = Δp = 1000 Pa															
A	0.20			15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	58.82	0.04
RLV-S			dn = 15 mm		kv = 2.600			Δp = 229 Pa										
A	0.15			15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.78	0.02
A	2.35			15		2844	2.8	1.000	0.034	2.1	0.260	90	211	6.0	414	0.41	58.76	0.50
A	2.41			18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.27	0.22
A	3.00			76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
A	1.00			76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
A	3.00			76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
A	2.00			76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
A	1.50			76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
A	0.20			76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
A	1.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
A	3.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
A	3.00			76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
A	0.20			76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
A	20.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
A	2.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
A	3.05			76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
MSV-F2 PN16			Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h					Δp = 3293 Pa										
Riser/Plot: / Circulation by the receiver: 02-9 in the room:																		
Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 99.82 m																		
GRANA 2							ΔpHS = 10000 Pa											
A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
FILTER			dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
A	3.00			76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
A	0.05			18		5688	5.7	1.000	0.068	4.2	0.348	106	5	1.5	96	0.10	79.36	0.01
A	1.71			18		5688	5.7	1.000	0.068	4.2	0.347	106	181	4.0	422	0.42	79.35	0.27
A	0.70			15		2844	2.8	1.000	0.034	2.1	0.263	84	59	1091.4	37849	37.85	79.08	0.25
RA-DV S			Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.205 m³/h			Δp = 37669 Pa										
02-9			Φr = 2844 W Aut. = Δp = 1000 Pa															
A	0.25			15		2844	2.8	1.000	0.034	2.1	0.260	90	22	7.1	261	0.26	58.83	0.05
RLV-S			dn = 15 mm		kv = 2.600			Δp = 229 Pa										
A	0.15			15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.77	0.02
A	2.45			15		2844	2.8	1.000	0.034	2.1	0.260	90	220	6.0	423	0.42	58.75	0.52
A	2.41			18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.22	0.22
A	3.00			76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03

	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-10 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 2 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 99.82 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	0.05		18		5688	5.7	1.000	0.068	4.2	0.348	106	5	1.5	96	0.10	79.36	0.01
	A	1.71		18		5688	5.7	1.000	0.068	4.2	0.347	106	181	4.0	422	0.42	79.35	0.27
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	72	1091.5	37863	37.86	79.08	0.30
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.205 m³/h Δp = 37670 Pa															
	02-10		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	58.77	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 229 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.73	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	211	6.0	414	0.41	58.71	0.50
	A	2.41		18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.22	0.22
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 43-3 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 272 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 109.22 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00

	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	0.40		22		8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.31	0.05
	A	0.45		22		8664	8.7	1.000	0.103	6.4	0.353	84	38	0.3	56	0.06	79.25	0.07
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.18	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	78.99	0.57
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.41	0.17
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1769.0	37575	37.57	78.24	0.18
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.161 m³/h Δp = 37478 Pa															
	43-3		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	58.06	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	58.00	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	241	5.0	345	0.35	57.97	1.07
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.43	0.11
	A	0.25		22		8664	8.7	1.000	0.103	6.3	0.348	89	22	0.3	40	0.04	57.10	0.02
	A	0.20		22		8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.08	0.01
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 43-4 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 272 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 105.12 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	0.40		22		8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.31	0.05
	A	0.45		22		8664	8.7	1.000	0.103	6.4	0.353	84	38	0.3	56	0.06	79.25	0.07
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.18	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	78.99	0.57
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.41	0.17
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1784.1	37898	37.90	78.24	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.160 m³/h Δp = 37799 Pa															
	43-4		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	58.04	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	57.99	0.03
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.43	0.11
	A	0.25		22		8664	8.7	1.000	0.103	6.3	0.348	89	22	0.3	40	0.04	57.10	0.02
	A	0.20		22		8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.08	0.01
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03

	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 06-1 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 111.49 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	0.40		22		8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.31	0.05
	A	0.45		22		8664	8.7	1.000	0.103	6.4	0.353	84	38	0.3	56	0.06	79.25	0.07
	A	2.09		18		4208	4.2	1.000	0.050	3.1	0.257	62	130	3.5	245	0.25	79.18	0.45
	A	2.15		18		4208	4.2	1.000	0.050	3.1	0.257	62	134	0.3	144	0.14	78.73	0.60
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.257	62	53	4.3	195	0.19	78.13	0.18
	A	0.40		15		2104	2.1	1.000	0.025	1.5	0.195	50	20	1968.9	37280	37.28	77.95	0.19
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.152 m³/h Δp = 37194 Pa															
	06-1		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2104	2.1	1.000	0.025	1.5	0.192	53	13	7.1	144	0.14	57.76	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	53	8	0.3	14	0.01	57.69	0.03
	A	4.10		15		2104	2.1	1.000	0.025	1.5	0.192	53	219	4.3	298	0.30	57.66	1.12
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	54	8	1.5	36	0.04	56.54	0.03
	A	1.94		18		4208	4.2	1.000	0.050	3.1	0.254	66	129	4.0	258	0.26	57.10	0.23
	A	0.25		22		8664	8.7	1.000	0.103	6.3	0.348	89	22	0.3	40	0.04	57.10	0.02
	A	0.20		22		8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.08	0.01
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 06-2 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 107.09 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															

	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00	76	254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00	76	245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00	76	239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00	76	234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	0.40	22	8664	8.7	1.000	0.103	6.4	0.353	84	34	1.5	127	0.13	79.31	0.05
	A	0.45	22	8664	8.7	1.000	0.103	6.4	0.353	84	38	0.3	56	0.06	79.25	0.07
	A	2.09	18	4208	4.2	1.000	0.050	3.1	0.257	62	130	3.5	245	0.25	79.18	0.45
	A	2.15	18	4208	4.2	1.000	0.050	3.1	0.257	62	134	0.3	144	0.14	78.73	0.60
	A	0.85	18	4208	4.2	1.000	0.050	3.1	0.257	62	53	4.3	195	0.19	78.13	0.18
	A	0.45	15	2104	2.1	1.000	0.025	1.5	0.195	50	22	1986.7	37618	37.62	77.95	0.21
	RA-DV S		Preset: 7	dn = 15 mm												
			Q = m³/h	kv = 0.152 m³/h	Δp = 37530 Pa											
	06-2		Φr = 2104 W Aut. = Δp = 1000 Pa													
	A	0.20	15	2104	2.1	1.000	0.025	1.5	0.192	53	11	7.8	154	0.15	57.74	0.06
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 125 Pa											
	A	1.94	18	4208	4.2	1.000	0.050	3.1	0.254	66	129	4.0	258	0.26	57.10	0.23
	A	0.25	22	8664	8.7	1.000	0.103	6.3	0.348	89	22	0.3	40	0.04	57.10	0.02
	A	0.20	22	8664	8.7	1.000	0.103	6.3	0.348	89	18	1.0	79	0.08	57.08	0.01
	A	3.00	76	234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00	76	239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00	76	245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20	76	254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00	76	254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20	76	254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00	76	263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00	76	268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50	76	274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20	76	283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00	76	291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20	76	328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05	76	328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm												
			kv = 79.000 m³/h	Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 44-2 in the room:															
	Δpdisp = 71521 Pa Δpgr = 273 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 117.84 m															
	GRANA 2		ΔpHS = 10000 Pa													
	A	2.95	76	328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa											
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00	76	254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00	76	245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00	76	239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00	76	234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20	76	225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	0.40	22	9788	9.8	1.000	0.117	7.2	0.398	104	42	1.5	161	0.16	79.23	0.05
	A	0.56	22	9788	9.8	1.000	0.117	7.2	0.398	104	58	0.3	82	0.08	79.18	0.08
	A	0.96	18	4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.10	0.19
	A	2.15	18	4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	78.91	0.57
	A	0.85	18	4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.34	0.17
	A	0.40	15	2228	2.2	1.000	0.027	1.6	0.206	55	22	1731.2	36770	36.77	78.17	0.18

	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.163 m³/h Δp = 36674 Pa															
	44-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	57.99	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.92	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	241	5.0	345	0.35	57.89	1.07
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.36	0.11
	A	0.36		22		9788	9.8	1.000	0.117	7.1	0.394	111	40	0.3	63	0.06	57.26	0.03
	A	0.20		22		9788	9.8	1.000	0.117	7.1	0.394	111	22	1.0	100	0.10	57.23	0.01
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 44-1 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 273 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 113.73 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	0.40		22		9788	9.8	1.000	0.117	7.2	0.398	104	42	1.5	161	0.16	79.23	0.05
	A	0.56		22		9788	9.8	1.000	0.117	7.2	0.398	104	58	0.3	82	0.08	79.18	0.08
	A	0.96		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	79.10	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	78.91	0.57
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	58	4.3	218	0.22	78.34	0.17
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1746.3	37093	37.09	78.17	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.162 m³/h Δp = 36994 Pa															
	44-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	57.97	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	57.91	0.03
	A	0.96		18		4456	4.5	1.000	0.053	3.2	0.269	73	70	4.0	215	0.21	57.36	0.11
	A	0.36		22		9788	9.8	1.000	0.117	7.1	0.394	111	40	0.3	63	0.06	57.26	0.03
	A	0.20		22		9788	9.8	1.000	0.117	7.1	0.394	111	22	1.0	100	0.10	57.23	0.01
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02

	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 05-2 in the room:																	
	Δpdisp = 71255 Pa Δpgr = 7 Pa Δp = 71255 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 120.10 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	0.40		22		9788	9.8	1.000	0.117	7.2	0.398	104	42	1.5	161	0.16	79.23	0.05
	A	0.56		22		9788	9.8	1.000	0.117	7.2	0.398	104	58	0.3	82	0.08	79.18	0.08
	A	2.09		18		5332	5.3	1.000	0.064	3.9	0.326	94	197	3.5	383	0.38	79.10	0.35
	A	2.15		18		5332	5.3	1.000	0.064	3.9	0.326	94	203	0.3	219	0.22	78.75	0.48
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.27	0.14
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.247	75	30	1174.8	35736	35.74	78.13	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.197 m³/h Δp = 35599 Pa															
	05-2		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	57.98	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 201 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	57.93	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.244	80	330	4.3	457	0.46	57.90	0.89
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	81	12	1.5	57	0.06	57.01	0.02
	A	1.94		18		5332	5.3	1.000	0.064	3.9	0.322	100	195	4.0	402	0.40	57.45	0.18
	A	0.36		22		9788	9.8	1.000	0.117	7.1	0.394	111	40	0.3	63	0.06	57.26	0.03
	A	0.20		22		9788	9.8	1.000	0.117	7.1	0.394	111	22	1.0	100	0.10	57.23	0.01
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 05-1 in the room:																	
	Δpdisp = 71256 Pa Δpgr = 7 Pa Δp = 71256 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 115.70 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															

	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	3.00	76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04	
	A	3.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04	
	A	1.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00	
	A	1.50	76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02	
	A	2.00	76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03	
	A	3.00	76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05	
	A	0.20	76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00	
	A	1.00	76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02	
	A	0.20	76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00	
	A	3.00	76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05	
	A	3.00	76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05	
	A	3.00	76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05	
	A	3.00	76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05	
	A	1.00	76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02	
	A	0.20	76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00	
	A	0.40	22		9788	9.8	1.000	0.117	7.2	0.398	104	42	1.5	161	0.16	79.23	0.05	
	A	0.56	22		9788	9.8	1.000	0.117	7.2	0.398	104	58	0.3	82	0.08	79.18	0.08	
	A	2.09	18		5332	5.3	1.000	0.064	3.9	0.326	94	197	3.5	383	0.38	79.10	0.35	
	A	2.15	18		5332	5.3	1.000	0.064	3.9	0.326	94	203	0.3	219	0.22	78.75	0.48	
	A	0.85	18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.27	0.14	
	A	0.45	15		2666	2.7	1.000	0.032	2.0	0.247	75	34	1191.8	36254	36.25	78.13	0.17	
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.196 m³/h		Δp = 36114 Pa											
	05-1							Φr = 2666 W	Aut. =		Δp = 1000 Pa							
	A	0.20	15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.8	247	0.25	57.96	0.04	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 201 Pa											
	A	1.94	18		5332	5.3	1.000	0.064	3.9	0.322	100	195	4.0	402	0.40	57.45	0.18	
	A	0.36	22		9788	9.8	1.000	0.117	7.1	0.394	111	40	0.3	63	0.06	57.26	0.03	
	A	0.20	22		9788	9.8	1.000	0.117	7.1	0.394	111	22	1.0	100	0.10	57.23	0.01	
	A	0.20	76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00	
	A	1.00	76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01	
	A	3.00	76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03	
	A	3.00	76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03	
	A	3.00	76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03	
	A	3.00	76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03	
	A	0.20	76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00	
	A	1.00	76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01	
	A	0.20	76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00	
	A	3.00	76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02	
	A	2.00	76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02	
	A	1.50	76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00	
	A	1.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01	
	A	3.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02	
	A	3.00	76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02	
	A	0.20	76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00	
	A	20.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13	
	A	2.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01	
	A	3.05	76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02	
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 02-12 in the room:																	
	Δpdisp = 71251 Pa Δpgr = 2 Pa Δp = 71251 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 118.22 m																	
	GRANA 2										ΔpHS = 10000 Pa							
	A	2.95	76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04	
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	3.00	76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04	
	A	3.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04	
	A	1.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00	
	A	1.50	76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02	
	A	2.00	76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03	
	A	3.00	76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05	
	A	0.20	76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00	
	A	1.00	76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02	
	A	0.20	76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00	
	A	3.00	76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05	
	A	3.00	76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05	
	A	3.00	76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05	
	A	3.00	76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05	
	A	1.00	76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02	
	A	0.20	76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00	

	A	2.00			76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	1.76			18		5688	5.7	1.000	0.068	4.2	0.347	106	186	5.5	518	0.52	79.19	0.28
	A	0.70			15		2844	2.8	1.000	0.034	2.1	0.263	84	59	1041.8	36123	36.12	78.91	0.25
	RA-DV S			Preset: N		dn = 15 mm													
				Q = m³/h		kv = 0.210 m³/h		Δp = 35943 Pa											
	02-12			Φr = 2844 W Aut. =							Δp = 1000 Pa								
	A	0.25			15		2844	2.8	1.000	0.034	2.1	0.260	90	22	7.1	261	0.26	58.66	0.05
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 229 Pa											
	A	0.15			15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.61	0.02
	A	2.45			15		2844	2.8	1.000	0.034	2.1	0.260	90	220	6.0	423	0.42	58.59	0.52
	A	2.41			18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.06	0.22
	A	2.00			76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20			76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00			76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00			76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00			76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00			76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00			76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00			76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50			76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20			76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00			76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20			76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05			76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16			Preset: 8		dn = 65 mm													
				kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 02-11 in the room:																		
	Δpdisp = 71251 Pa Δpgr = 2 Pa Δp = 71251 Pa Δpover = 0 Pa ΔH = -0.26 m LCIR = 118.22 m																		
	GRANA 2										ΔpHS = 10000 Pa								
	A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER			dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00			76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00			76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20			76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00			76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	1.76			18		5688	5.7	1.000	0.068	4.2	0.347	106	186	5.5	518	0.52	79.19	0.28
	A	0.85			15		2844	2.8	1.000	0.034	2.1	0.263	84	72	1041.9	36137	36.14	78.91	0.30
	RA-DV S			Preset: N		dn = 15 mm													
				Q = m³/h		kv = 0.210 m³/h		Δp = 35944 Pa											
	02-11			Φr = 2844 W Aut. =							Δp = 1000 Pa								
	A	0.20			15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	58.61	0.04
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 229 Pa											
	A	0.15			15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.57	0.02
	A	2.35			15		2844	2.8	1.000	0.034	2.1	0.260	90	211	6.0	414	0.41	58.54	0.49
	A	2.41			18		5688	5.7	1.000	0.068	4.1	0.343	112	270	3.0	447	0.45	58.06	0.22
	A	2.00			76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20			76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00			76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00			76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00			76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00			76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00			76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00			76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02

	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-13 in the room:																	
	Δpdisp = 71248 Pa Δpgr = -1 Pa Δp = 71248 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 123.20 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	1.40		15		2844	2.8	1.000	0.034	2.1	0.263	84	118	1.5	170	0.17	79.09	0.37
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	72	1038.4	36008	36.01	78.73	0.30
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.210 m³/h Δp = 35926 Pa															
	02-13		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	58.42	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 229 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	58.38	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	211	2.3	289	0.29	58.36	0.49
	A	2.05		15		2844	2.8	1.000	0.034	2.1	0.260	90	184	1.0	218	0.22	57.87	0.31
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 05-3 in the room:																	
	Δpdisp = 71248 Pa Δpgr = 0 Pa Δp = 71248 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 139.70 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															

	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00	76	254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00	76	245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00	76	239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00	76	234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20	76	225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00	76	215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00	76	210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35	35	29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50	35	29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60	35	26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	3.65	28	17786	17.8	1.000	0.212	13.1	0.424	84	306	1.0	396	0.40	78.73	0.35
	A	1.40	15	2666	2.7	1.000	0.032	2.0	0.247	75	105	1.5	151	0.15	78.38	0.39
	A	0.85	15	2666	2.7	1.000	0.032	2.0	0.247	75	64	1137.6	34629	34.63	77.99	0.32
	RA-DV S		Preset: N	dn = 15 mm												
			Q = m³/h	kv = 0.200 m³/h	Δp = 34556 Pa											
	05-3		Φr = 2666 W Aut. = Δp = 1000 Pa													
	A	0.20	15	2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	57.67	0.04
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 201 Pa											
	A	0.15	15	2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	57.63	0.02
	A	2.35	15	2666	2.7	1.000	0.032	1.9	0.244	80	189	2.3	257	0.26	57.60	0.51
	A	2.05	15	2666	2.7	1.000	0.032	1.9	0.244	81	165	1.0	195	0.19	57.09	0.32
	A	3.45	28	17786	17.8	1.000	0.212	12.9	0.419	89	309	1.5	440	0.44	54.54	0.17
	A	4.80	35	26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50	35	29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35	35	29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00	76	210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00	76	215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20	76	225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00	76	225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00	76	225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00	76	234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00	76	239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00	76	245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20	76	254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00	76	254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20	76	254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00	76	263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00	76	268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50	76	274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20	76	283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00	76	291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20	76	328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05	76	328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm												
			kv = 79.000 m³/h	Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 41-7 in the room:															
	Δpdisp = 71550 Pa Δpgr = 301 Pa Δp = 71550 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 170.12 m															
	GRANA 2		ΔpHS = 10000 Pa													
	A	2.95	76	328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa											
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00

	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	3.65		28		17786	17.8	1.000	0.212	13.1	0.424	84	306	1.0	396	0.40	78.73	0.35
	A	3.00		28		15120	15.1	1.000	0.181	11.1	0.361	63	188	0.5	221	0.22	78.38	0.34
	A	3.45		18		5332	5.3	1.000	0.064	3.9	0.325	94	326	1.5	405	0.41	78.04	0.57
	A	5.00		18		5332	5.3	1.000	0.064	3.9	0.325	95	473	0.3	489	0.49	77.47	1.07
	A	2.55		18		5332	5.3	1.000	0.064	3.9	0.325	95	242	0.3	258	0.26	76.40	0.40
	A	2.81		18		5332	5.3	1.000	0.064	3.9	0.325	95	266	0.3	282	0.28	76.00	0.58
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.325	95	81	4.3	308	0.31	75.41	0.13
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.246	76	30	1040.2	31536	31.54	75.28	0.14
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.210 m³/h Δp = 31399 Pa															
	41-7		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.243	81	20	7.1	229	0.23	55.14	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 200 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.243	81	12	0.3	21	0.02	55.09	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.243	81	333	5.5	496	0.50	55.07	0.81
	A	0.66		18		5332	5.3	1.000	0.064	3.9	0.321	101	67	0.3	82	0.08	54.66	0.08
	A	2.55		18		5332	5.3	1.000	0.064	3.9	0.321	101	258	0.3	274	0.27	54.58	0.22
	A	5.00		18		5332	5.3	1.000	0.064	3.9	0.321	102	508	0.3	523	0.52	54.36	0.57
	A	3.65		18		5332	5.3	1.000	0.064	3.9	0.321	102	371	1.0	423	0.42	53.79	0.30
	A	3.00		28		15120	15.1	1.000	0.181	11.0	0.356	67	201	0.5	233	0.23	54.32	0.18
	A	3.45		28		17786	17.8	1.000	0.212	12.9	0.419	89	309	1.5	440	0.44	54.54	0.17
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 41-8 in the room:																	
	Δpdisp = 71550 Pa Δpgr = 301 Pa Δp = 71550 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 166.02 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05

	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	3.65		28		17786	17.8	1.000	0.212	13.1	0.424	84	306	1.0	396	0.40	78.73	0.35
	A	3.00		28		15120	15.1	1.000	0.181	11.1	0.361	63	188	0.5	221	0.22	78.38	0.34
	A	3.45		18		5332	5.3	1.000	0.064	3.9	0.325	94	326	1.5	405	0.41	78.04	0.57
	A	5.00		18		5332	5.3	1.000	0.064	3.9	0.325	95	473	0.3	489	0.49	77.47	1.07
	A	2.55		18		5332	5.3	1.000	0.064	3.9	0.325	95	242	0.3	258	0.26	76.40	0.40
	A	2.81		18		5332	5.3	1.000	0.064	3.9	0.325	95	266	0.3	282	0.28	76.00	0.58
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.325	95	81	4.3	308	0.31	75.41	0.13
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.246	76	34	1056.0	32015	32.02	75.28	0.16
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.208 m³/h Δp = 31875 Pa															
	41-8		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.243	81	16	7.1	225	0.23	55.12	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 200 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.243	81	12	1.0	42	0.04	55.08	0.02
	A	0.66		18		5332	5.3	1.000	0.064	3.9	0.321	101	67	0.3	82	0.08	54.66	0.08
	A	2.55		18		5332	5.3	1.000	0.064	3.9	0.321	101	258	0.3	274	0.27	54.58	0.22
	A	5.00		18		5332	5.3	1.000	0.064	3.9	0.321	102	508	0.3	523	0.52	54.36	0.57
	A	3.65		18		5332	5.3	1.000	0.064	3.9	0.321	102	371	1.0	423	0.42	53.79	0.30
	A	3.00		28		15120	15.1	1.000	0.181	11.0	0.356	67	201	0.5	233	0.23	54.32	0.18
	A	3.45		28		17786	17.8	1.000	0.212	12.9	0.419	89	309	1.5	440	0.44	54.54	0.17
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 05-4 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 4 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.19 m LCIR = 164.79 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04

	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	3.65		28		17786	17.8	1.000	0.212	13.1	0.424	84	306	1.0	396	0.40	78.73	0.35
	A	3.00		28		15120	15.1	1.000	0.181	11.1	0.361	63	188	0.5	221	0.22	78.38	0.34
	A	7.00		22		9788	9.8	1.000	0.117	7.2	0.398	105	733	1.0	813	0.81	78.04	0.98
	A	2.19		18		5332	5.3	1.000	0.064	3.9	0.325	95	207	3.5	393	0.39	77.05	0.35
	A	2.15		18		5332	5.3	1.000	0.064	3.9	0.325	95	204	0.3	220	0.22	76.70	0.46
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.325	95	81	4.3	308	0.31	76.24	0.13
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.246	76	30	1029.4	31239	31.24	76.11	0.14
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.211 m³/h		Δp = 31102 Pa												
	05-4		Φr = 2666 W Aut. =			Δp = 1000 Pa												
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	81	20	7.1	229	0.23	55.97	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 200 Pa												
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	81	12	0.3	21	0.02	55.91	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.243	81	332	4.3	460	0.46	55.89	0.84
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.243	81	12	1.5	57	0.06	55.06	0.02
	A	1.84		18		5332	5.3	1.000	0.064	3.9	0.321	101	186	4.0	393	0.39	55.47	0.16
	A	7.00		22		9788	9.8	1.000	0.117	7.1	0.393	112	781	1.5	897	0.90	55.31	0.53
	A	3.00		28		15120	15.1	1.000	0.181	11.0	0.356	67	201	0.5	233	0.23	54.32	0.18
	A	3.45		28		17786	17.8	1.000	0.212	12.9	0.419	89	309	1.5	440	0.44	54.54	0.17
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 05-3 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.19 m LCIR = 160.39 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	3.65		28		17786	17.8	1.000	0.212	13.1	0.424	84	306	1.0	396	0.40	78.73	0.35
	A	3.00		28		15120	15.1	1.000	0.181	11.1	0.361	63	188	0.5	221	0.22	78.38	0.34

	A	7.00		22		9788	9.8	1.000	0.117	7.2	0.398	105	733	1.0	813	0.81	78.04	0.98
	A	2.19		18		5332	5.3	1.000	0.064	3.9	0.325	95	207	3.5	393	0.39	77.05	0.35
	A	2.15		18		5332	5.3	1.000	0.064	3.9	0.325	95	204	0.3	220	0.22	76.70	0.46
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.325	95	81	4.3	308	0.31	76.24	0.13
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.246	76	34	1046.5	31760	31.76	76.11	0.16
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.209 m³/h Δp = 31620 Pa															
	05-3		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	81	16	7.8	246	0.25	55.95	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 200 Pa															
	A	1.84		18		5332	5.3	1.000	0.064	3.9	0.321	101	186	4.0	393	0.39	55.47	0.16
	A	7.00		22		9788	9.8	1.000	0.117	7.1	0.393	112	781	1.5	897	0.90	55.31	0.53
	A	3.00		28		15120	15.1	1.000	0.181	11.0	0.356	67	201	0.5	233	0.23	54.32	0.18
	A	3.45		28		17786	17.8	1.000	0.212	12.9	0.419	89	309	1.5	440	0.44	54.54	0.17
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 44-3 in the room:																	
	Δpdisp = 71512 Pa Δpgr = 263 Pa Δp = 71512 Pa Δpover = 0 Pa ΔH = 2.86 m LCIR = 162.52 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	3.65		28		17786	17.8	1.000	0.212	13.1	0.424	84	306	1.0	396	0.40	78.73	0.35
	A	3.00		28		15120	15.1	1.000	0.181	11.1	0.361	63	188	0.5	221	0.22	78.38	0.34
	A	7.00		22		9788	9.8	1.000	0.117	7.2	0.398	105	733	1.0	813	0.81	78.04	0.98
	A	0.86		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	3.5	188	0.19	77.05	0.17
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	160	0.16	76.89	0.55
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.34	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1522.8	32268	32.27	76.18	0.17
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.173 m³/h Δp = 32171 Pa															
	44-3		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.01	0.06

	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15	15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	55.94	0.03	
	A	4.10	15		2228	2.2	1.000	0.027	1.6	0.203	59	243	5.0	347	0.35	55.92	1.00	
	A	1.06	18		4456	4.5	1.000	0.053	3.2	0.269	74	78	4.0	222	0.22	55.41	0.11	
	A	7.00	22		9788	9.8	1.000	0.117	7.1	0.393	112	781	1.5	897	0.90	55.31	0.53	
	A	3.00	28		15120	15.1	1.000	0.181	11.0	0.356	67	201	0.5	233	0.23	54.32	0.18	
	A	3.45	28		17786	17.8	1.000	0.212	12.9	0.419	89	309	1.5	440	0.44	54.54	0.17	
	A	4.80	35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20	
	A	0.50	35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02	
	A	0.35	35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01	
	A	2.00	76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02	
	A	2.00	76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02	
	A	0.20	76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00	
	A	1.00	76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01	
	A	3.00	76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03	
	A	3.00	76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03	
	A	3.00	76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03	
	A	3.00	76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03	
	A	0.20	76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00	
	A	1.00	76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01	
	A	0.20	76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00	
	A	3.00	76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02	
	A	2.00	76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02	
	A	1.50	76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00	
	A	1.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01	
	A	3.00	76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02	
	A	3.00	76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02	
	A	0.20	76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00	
	A	20.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13	
	A	2.00	76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01	
	A	3.05	76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02	
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 44-4 in the room:																	
	Δpdisp = 71512 Pa Δpgr = 263 Pa Δp = 71512 Pa Δpover = 0 Pa ΔH = 2.86 m LCIR = 158.42 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95	76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04	
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50	76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02	
	A	20.00	76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25	
	A	0.20	76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00	
	A	3.00	76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04	
	A	3.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04	
	A	1.00	76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01	
	A	0.20	76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00	
	A	1.50	76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02	
	A	2.00	76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03	
	A	3.00	76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05	
	A	0.20	76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00	
	A	1.00	76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02	
	A	0.20	76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00	
	A	3.00	76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05	
	A	3.00	76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05	
	A	3.00	76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05	
	A	3.00	76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05	
	A	1.00	76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02	
	A	0.20	76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00	
	A	2.00	76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04	
	A	2.00	76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04	
	A	0.35	35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02	
	A	0.50	35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04	
	A	4.60	35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36	
	A	3.65	28		17786	17.8	1.000	0.212	13.1	0.424	84	306	1.0	396	0.40	78.73	0.35	
	A	3.00	28		15120	15.1	1.000	0.181	11.1	0.361	63	188	0.5	221	0.22	78.38	0.34	
	A	7.00	22		9788	9.8	1.000	0.117	7.2	0.398	105	733	1.0	813	0.81	78.04	0.98	
	A	0.86	18		4456	4.5	1.000	0.053	3.3	0.272	69	59	3.5	188	0.19	77.05	0.17	
	A	2.15	18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	160	0.16	76.89	0.55	
	A	0.85	18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.34	0.16	
	A	0.45	15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1538.0	32593	32.59	76.18	0.19	
	RA-DV S		Preset: 7		dn = 15 mm													
			Q = m³/h		kv = 0.173 m³/h		Δp = 32494 Pa											
	44-4										Φr = 2228 W Aut. =		Δp = 1000 Pa					
	A	0.20	15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	55.99	0.05	
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 140 Pa											
	A	0.15	15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	55.94	0.03	
	A	1.06	18		4456	4.5	1.000	0.053	3.2	0.269	74	78	4.0	222	0.22	55.41	0.11	
	A	7.00	22		9788	9.8	1.000	0.117	7.1	0.393	112	781	1.5	897	0.90	55.31	0.53	
	A	3.00	28		15120	15.1	1.000	0.181	11.0	0.356	67	201	0.5	233	0.23	54.32	0.18	
	A	3.45	28		17786	17.8	1.000	0.212	12.9	0.419	89	309	1.5	440	0.44	54.54	0.17	
	A	4.80	35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20	

	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
			Riser/Plot: / Circulation by the receiver: 45-2 in the room:															
			Δpdisp = 71521 Pa Δpgr = 272 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 137.62 m															
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	1.5	135	0.13	78.73	0.06
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	0.3	58	0.06	78.67	0.07
	A	1.36		18		6312	6.3	1.000	0.075	4.6	0.385	127	173	3.5	433	0.43	78.60	0.19
	A	2.15		18		6312	6.3	1.000	0.075	4.6	0.385	127	274	0.3	297	0.30	78.41	0.40
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.257	62	53	5.5	234	0.23	78.01	0.18
	A	0.40		15		2104	2.1	1.000	0.025	1.5	0.195	50	20	1807.7	34224	34.22	77.83	0.19
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.159 m³/h Δp = 34138 Pa															
	45-2		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2104	2.1	1.000	0.025	1.5	0.192	53	13	7.1	144	0.14	57.64	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	53	8	1.0	26	0.03	57.57	0.03
	A	4.10		18		4208	4.2	1.000	0.050	3.1	0.254	67	273	5.0	434	0.43	56.09	0.63
	A	1.36		18		6312	6.3	1.000	0.075	4.6	0.381	136	185	4.0	475	0.47	56.16	0.10
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	0.3	42	0.04	55.92	0.02
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	1.0	85	0.09	55.90	0.02
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03

	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 45-1 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 272 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 133.52 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	1.5	135	0.13	78.73	0.06
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	0.3	58	0.06	78.67	0.07
	A	1.36		18		6312	6.3	1.000	0.075	4.6	0.385	127	173	3.5	433	0.43	78.60	0.19
	A	2.15		18		6312	6.3	1.000	0.075	4.6	0.385	127	274	0.3	297	0.30	78.41	0.40
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.257	62	53	5.5	234	0.23	78.01	0.18
	A	0.45		15		2104	2.1	1.000	0.025	1.5	0.195	50	22	1830.2	34652	34.65	77.83	0.21
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.158 m³/h Δp = 34563 Pa															
	45-1		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2104	2.1	1.000	0.025	1.5	0.192	53	11	7.1	141	0.14	57.62	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	53	8	1.5	36	0.04	57.56	0.03
	A	1.36		18		6312	6.3	1.000	0.075	4.6	0.381	136	185	4.0	475	0.47	56.16	0.10
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	0.3	42	0.04	55.92	0.02
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	1.0	85	0.09	55.90	0.02
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02

	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 45-3 in the room:																	
	Δpdisp = 71519 Pa Δpgr = 270 Pa Δp = 71519 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 144.30 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	1.5	135	0.13	78.73	0.06
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	0.3	58	0.06	78.67	0.07
	A	1.36		18		6312	6.3	1.000	0.075	4.6	0.385	127	173	3.5	433	0.43	78.60	0.19
	A	2.15		18		6312	6.3	1.000	0.075	4.6	0.385	127	274	0.3	297	0.30	78.41	0.40
	A	5.39		15		2104	2.1	1.000	0.025	1.5	0.194	50	269	1.0	288	0.29	78.01	2.49
	A	0.85		15		2104	2.1	1.000	0.025	1.5	0.194	50	43	4.3	124	0.12	75.52	0.28
	A	0.40		15		2104	2.1	1.000	0.025	1.5	0.194	50	20	1799.4	33961	33.96	75.24	0.18
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.159 m³/h Δp = 33936 Pa															
	45-3		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2104	2.1	1.000	0.025	1.5	0.192	54	13	7.1	144	0.14	55.06	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	54	8	0.3	14	0.01	55.00	0.03
	A	1.29		15		2104	2.1	1.000	0.025	1.5	0.192	54	69	1.5	97	0.10	54.97	0.33
	A	4.10		18		4208	4.2	1.000	0.050	3.1	0.254	67	273	5.0	434	0.43	56.09	0.63
	A	1.36		18		6312	6.3	1.000	0.075	4.6	0.381	136	185	4.0	475	0.47	56.16	0.10
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	0.3	42	0.04	55.92	0.02
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	1.0	85	0.09	55.90	0.02
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															

Riser/Plot: / Circulation by the receiver: 03-1 in the room:																		
Δpdisp = 71246 Pa Δpgr = -3 Pa Δp = 71246 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 138.27 m																		
GRANA 2													ΔpHS = 10000 Pa					
A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
FILTER			dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
A	3.00			76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
A	3.00			76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
A	3.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
A	1.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
A	0.20			76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
A	2.00			76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
A	2.00			76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
A	0.35			35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
A	0.50			35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
A	4.60			35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
A	0.45			22		8788	8.8	1.000	0.105	6.5	0.358	86	39	1.5	135	0.13	78.73	0.06
A	0.45			22		8788	8.8	1.000	0.105	6.5	0.358	86	39	0.3	58	0.06	78.67	0.07
A	1.69			15		2476	2.5	1.000	0.030	1.8	0.229	66	111	3.5	203	0.20	78.60	0.50
A	2.15			15		2476	2.5	1.000	0.030	1.8	0.229	66	143	0.3	150	0.15	78.10	0.86
A	0.85			15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.24	0.25
A	0.40			12		1238	1.2	1.000	0.015	0.9	0.193	69	28	1858.1	34756	34.76	76.99	0.26
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.093 m³/h			Δp = 34663 Pa										
03-1													Φr = 1238 W Aut. =		Δp = 1000 Pa			
A	0.25			12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.73	0.09
RLV-S			dn = 15 mm		kv = 2.600			Δp = 43 Pa										
A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.63	0.04
A	4.10			12		1238	1.2	1.000	0.015	0.9	0.191	74	302	4.3	381	0.38	56.59	1.51
A	0.15			12		1238	1.2	1.000	0.015	0.9	0.191	74	11	1.5	38	0.04	55.09	0.04
A	1.54			15		2476	2.5	1.000	0.030	1.8	0.226	71	109	4.0	212	0.21	55.84	0.25
A	0.25			22		8788	8.8	1.000	0.105	6.4	0.353	92	23	0.3	42	0.04	55.92	0.02
A	0.25			22		8788	8.8	1.000	0.105	6.4	0.353	92	23	1.0	85	0.09	55.90	0.02
A	4.80			35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
A	0.50			35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
A	0.35			35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
A	2.00			76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
A	2.00			76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
A	0.20			76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
A	1.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
A	3.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
A	3.00			76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
A	3.00			76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
A	3.00			76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
A	1.00			76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
A	3.00			76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
A	2.00			76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
A	1.50			76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
A	0.20			76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
A	1.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
A	3.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
A	3.00			76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
A	0.20			76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
A	20.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
A	2.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
A	3.05			76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
MSV-F2 PN16			Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h					Δp = 3293 Pa										
Riser/Plot: / Circulation by the receiver: 04-1 in the room:																		
Δpdisp = 71247 Pa Δpgr = -2 Pa Δp = 71247 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 133.87 m																		
GRANA 2													ΔpHS = 10000 Pa					
A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
FILTER			dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										

	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	0.35		35		29418	29.4	1.000	0.351	21.7	0.449	70	25	1.5	176	0.18	79.15	0.02
	A	0.50		35		29418	29.4	1.000	0.351	21.7	0.449	70	35	0.3	65	0.07	79.13	0.04
	A	4.60		35		26574	26.6	1.000	0.317	19.6	0.406	59	269	0.5	311	0.31	79.09	0.36
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	1.5	135	0.13	78.73	0.06
	A	0.45		22		8788	8.8	1.000	0.105	6.5	0.358	86	39	0.3	58	0.06	78.67	0.07
	A	1.69		15		2476	2.5	1.000	0.030	1.8	0.229	66	111	3.5	203	0.20	78.60	0.50
	A	2.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	143	0.3	150	0.15	78.10	0.86
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.24	0.25
	A	0.45		12		1238	1.2	1.000	0.015	0.9	0.193	69	31	1880.8	35183	35.18	76.99	0.29
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.092 m³/h Δp = 35087 Pa															
	04-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	3.4	76	0.08	56.70	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	1.54		15		2476	2.5	1.000	0.030	1.8	0.226	71	109	4.0	212	0.21	55.84	0.25
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	0.3	42	0.04	55.92	0.02
	A	0.25		22		8788	8.8	1.000	0.105	6.4	0.353	92	23	1.0	85	0.09	55.90	0.02
	A	4.80		35		26574	26.6	1.000	0.317	19.3	0.400	62	300	0.5	340	0.34	54.87	0.20
	A	0.50		35		29418	29.4	1.000	0.351	21.4	0.443	75	37	0.3	67	0.07	54.95	0.02
	A	0.35		35		29418	29.4	1.000	0.351	21.4	0.443	75	26	1.0	124	0.12	54.93	0.01
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 41-9 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 272 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 139.72 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00

	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	0.56		18		5332	5.3	1.000	0.064	3.9	0.326	94	53	1.5	132	0.13	78.97	0.09
	A	2.15		18		5332	5.3	1.000	0.064	3.9	0.326	94	203	0.3	219	0.22	78.88	0.48
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.40	0.14
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.247	75	30	1163.8	35406	35.41	78.26	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.198 m³/h Δp = 35269 Pa															
	41-9		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.244	80	20	7.1	230	0.23	58.11	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 201 Pa															
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	0.3	21	0.02	58.05	0.02
	A	4.10		15		2666	2.7	1.000	0.032	1.9	0.244	80	329	5.0	478	0.48	58.03	0.90
	A	0.76		18		5332	5.3	1.000	0.064	3.9	0.322	100	76	1.0	128	0.13	57.57	0.07
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 41-10 in the room:																	
	Δpdisp = 71521 Pa Δpgr = 272 Pa Δp = 71521 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 135.62 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	0.56		18		5332	5.3	1.000	0.064	3.9	0.326	94	53	1.5	132	0.13	78.97	0.09
	A	2.15		18		5332	5.3	1.000	0.064	3.9	0.326	94	203	0.3	219	0.22	78.88	0.48
	A	0.85		18		5332	5.3	1.000	0.064	3.9	0.326	94	80	4.3	308	0.31	78.40	0.14
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.247	75	34	1178.4	35852	35.85	78.26	0.17
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.197 m³/h Δp = 35712 Pa															

	41-10					Φr = 2666 W Aut. =			Δp = 1000 Pa									
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.244	80	16	7.1	226	0.23	58.09	0.04
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 201 Pa										
	A	0.15		15		2666	2.7	1.000	0.032	1.9	0.244	80	12	1.5	57	0.06	58.04	0.02
	A	0.76		18		5332	5.3	1.000	0.064	3.9	0.322	100	76	1.0	128	0.13	57.57	0.07
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 01-1 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 2 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 142.19 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.75		15		2489	2.5	1.000	0.030	1.8	0.230	67	116	1.5	156	0.16	78.92	0.52
	A	0.85		15		2489	2.5	1.000	0.030	1.8	0.230	67	57	1340.5	35575	35.58	78.40	0.34
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.185 m³/h			Δp = 35511 Pa										
	01-1					Φr = 2489 W Aut. =			Δp = 1000 Pa									
	A	0.20		15		2489	2.5	1.000	0.030	1.8	0.228	71	14	7.1	197	0.20	58.06	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 175 Pa										
	A	0.15		15		2489	2.5	1.000	0.030	1.8	0.228	71	11	0.3	18	0.02	58.01	0.03
	A	2.35		15		2489	2.5	1.000	0.030	1.8	0.228	71	167	2.3	227	0.23	57.98	0.55
	A	2.40		15		2489	2.5	1.000	0.030	1.8	0.228	71	171	1.0	197	0.20	57.43	0.40
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00

	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 45-5 in the room:																	
	Δpdisp = 71522 Pa Δpgr = 273 Pa Δp = 71522 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 146.72 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	0.56		18		4208	4.2	1.000	0.050	3.1	0.257	62	35	1.5	84	0.08	78.89	0.12
	A	2.15		18		4208	4.2	1.000	0.050	3.1	0.257	62	134	0.3	144	0.14	78.77	0.60
	A	0.85		18		4208	4.2	1.000	0.050	3.1	0.257	62	53	4.3	195	0.19	78.16	0.18
	A	0.40		15		2104	2.1	1.000	0.025	1.5	0.195	50	20	1871.1	35431	35.43	77.99	0.19
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.156 m³/h Δp = 35345 Pa															
	45-5		Φr = 2104 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2104	2.1	1.000	0.025	1.5	0.192	53	13	7.1	144	0.14	57.80	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 125 Pa															
	A	0.15		15		2104	2.1	1.000	0.025	1.5	0.192	53	8	0.3	14	0.01	57.73	0.03
	A	4.10		15		2104	2.1	1.000	0.025	1.5	0.192	53	219	5.0	311	0.31	57.70	1.12
	A	0.76		18		4208	4.2	1.000	0.050	3.1	0.254	66	50	1.0	82	0.08	57.13	0.09
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															

Riser/Plot: / Circulation by the receiver: 45-4 in the room:																		
Δpdisp = 71522 Pa Δpgr = 273 Pa Δp = 71522 Pa Δpover = 0 Pa ΔH = 2.91 m LCIR = 142.62 m																		
GRANA 2							ΔpHS = 10000 Pa											
A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa												
A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
A	3.00			76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
A	3.00			76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
A	3.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
A	1.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
A	0.20			76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
A	2.00			76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
A	2.00			76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
A	8.00			76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
A	2.00			76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
A	1.50			76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
A	0.56			18		4208	4.2	1.000	0.050	3.1	0.257	62	35	1.5	84	0.08	78.89	0.12
A	2.15			18		4208	4.2	1.000	0.050	3.1	0.257	62	134	0.3	144	0.14	78.77	0.60
A	0.85			18		4208	4.2	1.000	0.050	3.1	0.257	62	53	4.3	195	0.19	78.16	0.18
A	0.45			15		2104	2.1	1.000	0.025	1.5	0.195	50	22	1886.4	35723	35.72	77.99	0.21
RA-DV S		Preset: 7		dn = 15 mm														
		Q = m³/h		kv = 0.156 m³/h		Δp = 35634 Pa												
45-4							Φr = 2104 W Aut. =			Δp = 1000 Pa								
A	0.20			15		2104	2.1	1.000	0.025	1.5	0.192	53	11	7.1	141	0.14	57.77	0.06
RLV-S		dn = 15 mm		kv = 2.600		Δp = 125 Pa												
A	0.15			15		2104	2.1	1.000	0.025	1.5	0.192	53	8	1.5	36	0.04	57.72	0.03
A	0.76			18		4208	4.2	1.000	0.050	3.1	0.254	66	50	1.0	82	0.08	57.13	0.09
A	1.50			76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
A	2.00			76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
A	8.00			76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
A	2.00			76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
A	2.00			76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
A	0.20			76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
A	1.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
A	3.00			76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
A	3.00			76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
A	3.00			76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
A	3.00			76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
A	1.00			76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
A	0.20			76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
A	3.00			76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
A	2.00			76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
A	1.50			76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
A	0.20			76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
A	1.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
A	3.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
A	3.00			76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
A	0.20			76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
A	20.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
A	2.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
A	3.05			76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
MSV-F2 PN16		Preset: 8		dn = 65 mm														
		kv = 79.000 m³/h		Δp = 3293 Pa														
Riser/Plot: / Circulation by the receiver: 02-15 in the room:																		
Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 151.40 m																		
GRANA 2							ΔpHS = 10000 Pa											
A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa												
BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa												
A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01

	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	2.40		28		14850	14.9	1.000	0.177	10.9	0.354	61	146	1.5	240	0.24	78.84	0.22
	A	2.00		28		14850	14.9	1.000	0.177	10.9	0.354	61	121	0.3	140	0.14	78.62	0.23
	A	0.80		15		2475	2.5	1.000	0.030	1.8	0.229	66	53	1.5	92	0.09	78.39	0.24
	A	0.85		15		2475	2.5	1.000	0.030	1.8	0.229	66	56	1328.1	34841	34.84	78.15	0.34
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.185 m³/h Δp = 34777 Pa															
	02-15		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	71	14	7.1	195	0.19	57.81	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 173 Pa															
	A	0.30		15		2475	2.5	1.000	0.030	1.8	0.226	71	21	1.0	47	0.05	57.76	0.05
	A	1.64		28		14850	14.9	1.000	0.177	10.8	0.350	65	106	0.3	124	0.12	56.01	0.10
	A	2.40		28		14850	14.9	1.000	0.177	10.8	0.350	65	155	1.0	216	0.22	55.91	0.12
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-17 in the room:																	
	Δpdisp = 71248 Pa Δpgr = 0 Pa Δp = 71248 Pa Δpover = 0 Pa ΔH = -0.11 m LCIR = 161.62 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05

	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	2.40		28		14850	14.9	1.000	0.177	10.9	0.354	61	146	1.5	240	0.24	78.84	0.22
	A	2.00		28		14850	14.9	1.000	0.177	10.9	0.354	61	121	0.3	140	0.14	78.62	0.23
	A	3.34		28		12375	12.4	1.000	0.148	9.1	0.295	44	147	0.5	169	0.17	78.39	0.46
	A	0.79		18		4950	5.0	1.000	0.059	3.6	0.302	83	65	3.5	225	0.22	77.93	0.14
	A	0.70		15		2475	2.5	1.000	0.030	1.8	0.229	66	46	1280.3	33564	33.56	77.79	0.28
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.189 m³/h		Δp = 33426 Pa												
	02-17					Φr = 2475 W Aut. =						Δp = 1000 Pa						
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	57.51	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 173 Pa												
	A	0.29		15		2475	2.5	1.000	0.030	1.8	0.226	71	20	3.0	97	0.10	57.45	0.05
	A	5.00		22		9900	9.9	1.000	0.118	7.2	0.398	114	568	3.0	806	0.81	55.83	0.38
	A	2.00		28		12375	12.4	1.000	0.148	9.0	0.291	47	94	0.5	115	0.11	55.82	0.15
	A	1.64		28		14850	14.9	1.000	0.177	10.8	0.350	65	106	0.3	124	0.12	56.01	0.10
	A	2.40		28		14850	14.9	1.000	0.177	10.8	0.350	65	155	1.0	216	0.22	55.91	0.12
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 02-16 in the room:																	
	Δpdisp = 71248 Pa Δpgr = 0 Pa Δp = 71248 Pa Δpover = 0 Pa ΔH = -0.11 m LCIR = 156.72 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04

	A	2.40		28		14850	14.9	1.000	0.177	10.9	0.354	61	146	1.5	240	0.24	78.84	0.22
	A	2.00		28		14850	14.9	1.000	0.177	10.9	0.354	61	121	0.3	140	0.14	78.62	0.23
	A	3.34		28		12375	12.4	1.000	0.148	9.1	0.295	44	147	0.5	169	0.17	78.39	0.46
	A	0.79		18		4950	5.0	1.000	0.059	3.6	0.302	83	65	3.5	225	0.22	77.93	0.14
	A	0.85		15		2475	2.5	1.000	0.030	1.8	0.229	66	56	1310.9	34373	34.37	77.79	0.34
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.187 m³/h		Δp = 34225 Pa											
	02-16		Φr = 2475 W Aut. =				Δp = 1000 Pa											
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	71	14	7.1	195	0.19	57.45	0.05
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 173 Pa											
	A	0.29		15		2475	2.5	1.000	0.030	1.8	0.226	71	20	3.0	97	0.10	57.40	0.05
	A	2.00		28		12375	12.4	1.000	0.148	9.0	0.291	47	94	0.5	115	0.11	55.82	0.15
	A	1.64		28		14850	14.9	1.000	0.177	10.8	0.350	65	106	0.3	124	0.12	56.01	0.10
	A	2.40		28		14850	14.9	1.000	0.177	10.8	0.350	65	155	1.0	216	0.22	55.91	0.12
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 02-18 in the room:																	
	Δpdisp = 71248 Pa Δpgr = -1 Pa Δp = 71248 Pa Δpover = 0 Pa ΔH = -0.11 m LCIR = 167.93 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	2.40		28		14850	14.9	1.000	0.177	10.9	0.354	61	146	1.5	240	0.24	78.84	0.22
	A	2.00		28		14850	14.9	1.000	0.177	10.9	0.354	61	121	0.3	140	0.14	78.62	0.23
	A	3.34		28		12375	12.4	1.000	0.148	9.1	0.295	44	147	0.5	169	0.17	78.39	0.46
	A	5.00		22		7425	7.4	1.000	0.089	5.5	0.302	64	320	1.0	366	0.37	77.93	0.92
	A	0.79		18		4950	5.0	1.000	0.059	3.6	0.302	83	65	3.5	225	0.22	77.00	0.14
	A	0.70		15		2475	2.5	1.000	0.030	1.8	0.229	66	46	1263.4	33086	33.09	76.87	0.27
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.190 m³/h		Δp = 32948 Pa											
	02-18		Φr = 2475 W Aut. =				Δp = 1000 Pa											

	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	56.59	0.06
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 173 Pa										
	A	0.29		15		2475	2.5	1.000	0.030	1.8	0.226	71	20	3.0	97	0.10	56.53	0.05
	A	1.31		22		7425	7.4	1.000	0.089	5.4	0.298	68	90	0.5	112	0.11	55.44	0.13
	A	5.00		22		9900	9.9	1.000	0.118	7.2	0.398	114	568	3.0	806	0.81	55.83	0.38
	A	2.00		28		12375	12.4	1.000	0.148	9.0	0.291	47	94	0.5	115	0.11	55.82	0.15
	A	1.64		28		14850	14.9	1.000	0.177	10.8	0.350	65	106	0.3	124	0.12	56.01	0.10
	A	2.40		28		14850	14.9	1.000	0.177	10.8	0.350	65	155	1.0	216	0.22	55.91	0.12
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 02-19 in the room:																	
	Δpdisp = 71248 Pa Δpgr = 0 Pa Δp = 71248 Pa Δpover = 0 Pa ΔH = -0.11 m LCIR = 172.83 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	2.40		28		14850	14.9	1.000	0.177	10.9	0.354	61	146	1.5	240	0.24	78.84	0.22
	A	2.00		28		14850	14.9	1.000	0.177	10.9	0.354	61	121	0.3	140	0.14	78.62	0.23
	A	3.34		28		12375	12.4	1.000	0.148	9.1	0.295	44	147	0.5	169	0.17	78.39	0.46
	A	5.00		22		7425	7.4	1.000	0.089	5.5	0.302	64	320	1.0	366	0.37	77.93	0.92
	A	0.79		18		4950	5.0	1.000	0.059	3.6	0.302	83	65	3.5	225	0.22	77.00	0.14
	A	0.85		15		2475	2.5	1.000	0.030	1.8	0.229	66	56	1241.0	32508	32.51	76.87	0.33
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.192 m³/h			Δp = 32360 Pa										
	02-19							Φr = 2475 W Aut. =			Δp = 1000 Pa							
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	71	14	7.1	195	0.19	56.53	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 173 Pa										
	A	0.29		15		2475	2.5	1.000	0.030	1.8	0.226	71	20	3.0	97	0.10	56.49	0.05
	A	4.80		18		4950	5.0	1.000	0.059	3.6	0.298	89	426	3.5	582	0.58	55.52	0.61
	A	1.31		22		7425	7.4	1.000	0.089	5.4	0.298	68	90	0.5	112	0.11	55.44	0.13
	A	5.00		22		9900	9.9	1.000	0.118	7.2	0.398	114	568	3.0	806	0.81	55.83	0.38

	A	2.00		28		12375	12.4	1.000	0.148	9.0	0.291	47	94	0.5	115	0.11	55.82	0.15
	A	1.64		28		14850	14.9	1.000	0.177	10.8	0.350	65	106	0.3	124	0.12	56.01	0.10
	A	2.40		28		14850	14.9	1.000	0.177	10.8	0.350	65	155	1.0	216	0.22	55.91	0.12
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-20 in the room:																	
	Δpdisp = 71250 Pa Δpgr = 1 Pa Δp = 71250 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 178.65 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	2.40		28		14850	14.9	1.000	0.177	10.9	0.354	61	146	1.5	240	0.24	78.84	0.22
	A	2.00		28		14850	14.9	1.000	0.177	10.9	0.354	61	121	0.3	140	0.14	78.62	0.23
	A	3.34		28		12375	12.4	1.000	0.148	9.1	0.295	44	147	0.5	169	0.17	78.39	0.46
	A	5.00		22		7425	7.4	1.000	0.089	5.5	0.302	64	320	1.0	366	0.37	77.93	0.92
	A	2.89		15		2475	2.5	1.000	0.030	1.8	0.229	66	192	1.0	218	0.22	77.00	1.13
	A	0.80		15		2475	2.5	1.000	0.030	1.8	0.229	66	53	0.3	61	0.06	75.87	0.23
	A	0.85		15		2475	2.5	1.000	0.030	1.8	0.229	66	57	1234.0	32278	32.28	75.65	0.32
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.192 m³/h Δp = 32214 Pa															
	02-20		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2475	2.5	1.000	0.030	1.8	0.226	71	14	7.1	194	0.19	55.32	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 173 Pa															
	A	0.30		15		2475	2.5	1.000	0.030	1.8	0.226	71	22	0.3	29	0.03	55.28	0.05
	A	2.89		15		2475	2.5	1.000	0.030	1.8	0.226	71	207	1.5	245	0.24	55.23	0.62
	A	4.80		18		4950	5.0	1.000	0.059	3.6	0.298	89	426	3.5	582	0.58	55.52	0.61
	A	1.31		22		7425	7.4	1.000	0.089	5.4	0.298	68	90	0.5	112	0.11	55.44	0.13
	A	5.00		22		9900	9.9	1.000	0.118	7.2	0.398	114	568	3.0	806	0.81	55.83	0.38
	A	2.00		28		12375	12.4	1.000	0.148	9.0	0.291	47	94	0.5	115	0.11	55.82	0.15
	A	1.64		28		14850	14.9	1.000	0.177	10.8	0.350	65	106	0.3	124	0.12	56.01	0.10
	A	2.40		28		14850	14.9	1.000	0.177	10.8	0.350	65	155	1.0	216	0.22	55.91	0.12

	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 02-21 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.25 m LCIR = 154.50 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.75		15		2844	2.8	1.000	0.034	2.1	0.263	84	147	1.5	199	0.20	78.76	0.46
	A	0.85		15		2844	2.8	1.000	0.034	2.1	0.263	84	72	998.4	34606	34.61	78.31	0.30
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.214 m³/h Δp = 34524 Pa															
	02-21		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	257	0.26	58.01	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 228 Pa															
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	90	13	0.3	24	0.02	57.97	0.02
	A	2.35		15		2844	2.8	1.000	0.034	2.1	0.260	90	211	2.3	289	0.29	57.95	0.48
	A	2.40		15		2844	2.8	1.000	0.034	2.1	0.260	90	216	1.0	250	0.25	57.46	0.35
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03

	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 46-2 in the room:																	
	Δpdisp = 71523 Pa Δpgr = 274 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 172.46 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	0.40		22		7675	7.7	1.000	0.092	5.7	0.312	68	27	1.5	100	0.10	78.64	0.06
	A	0.49		22		7675	7.7	1.000	0.092	5.7	0.312	68	33	0.3	48	0.05	78.59	0.09
	A	0.95		18		5199	5.2	1.000	0.062	3.8	0.317	90	86	3.5	262	0.26	78.50	0.16
	A	2.15		18		5199	5.2	1.000	0.062	3.8	0.317	90	194	0.3	209	0.21	78.33	0.48
	A	0.85		15		3466	3.5	1.000	0.041	2.6	0.320	120	102	5.5	384	0.38	77.85	0.18
	A	0.40		12		1733	1.7	1.000	0.021	1.3	0.271	124	50	828.0	30402	30.40	77.67	0.19
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.139 m³/h Δp = 30224 Pa															
	46-2		Φr = 1733 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1733	1.7	1.000	0.021	1.3	0.268	133	33	2.7	129	0.13	57.48	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 85 Pa															
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.268	133	20	1.0	56	0.06	57.41	0.03
	A	4.10		15		3466	3.5	1.000	0.041	2.5	0.317	128	525	5.0	775	0.78	55.92	0.65
	A	0.95		18		5199	5.2	1.000	0.062	3.8	0.314	96	92	4.0	289	0.29	55.97	0.09
	A	0.29		22		7675	7.7	1.000	0.092	5.6	0.308	72	21	0.3	35	0.04	55.70	0.03
	A	0.20		22		7675	7.7	1.000	0.092	5.6	0.308	72	14	1.0	62	0.06	55.67	0.02
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03

	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 46-1 in the room:																	
	Δpdisp = 71523 Pa Δpgr = 274 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 168.36 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	0.40		22		7675	7.7	1.000	0.092	5.7	0.312	68	27	1.5	100	0.10	78.64	0.06
	A	0.49		22		7675	7.7	1.000	0.092	5.7	0.312	68	33	0.3	48	0.05	78.59	0.09
	A	0.95		18		5199	5.2	1.000	0.062	3.8	0.317	90	86	3.5	262	0.26	78.50	0.16
	A	2.15		18		5199	5.2	1.000	0.062	3.8	0.317	90	194	0.3	209	0.21	78.33	0.48
	A	0.85		15		3466	3.5	1.000	0.041	2.6	0.320	120	102	5.5	384	0.38	77.85	0.18
	A	0.45		12		1733	1.7	1.000	0.021	1.3	0.271	124	56	848.7	31167	31.17	77.67	0.21
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.138 m³/h Δp = 30982 Pa															
	46-1									Φr = 1733 W Aut. = Δp = 1000 Pa								
	A	0.20		12		1733	1.7	1.000	0.021	1.3	0.268	133	27	2.7	122	0.12	57.46	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 85 Pa															
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.268	133	20	1.5	74	0.07	57.40	0.03
	A	0.95		18		5199	5.2	1.000	0.062	3.8	0.314	96	92	4.0	289	0.29	55.97	0.09
	A	0.29		22		7675	7.7	1.000	0.092	5.6	0.308	72	21	0.3	35	0.04	55.70	0.03
	A	0.20		22		7675	7.7	1.000	0.092	5.6	0.308	72	14	1.0	62	0.06	55.67	0.02
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01

	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 46-3 in the room:																	
	Δpdisp = 71520 Pa Δpgr = 271 Pa Δp = 71520 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 179.28 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	0.40		22		7675	7.7	1.000	0.092	5.7	0.312	68	27	1.5	100	0.10	78.64	0.06
	A	0.49		22		7675	7.7	1.000	0.092	5.7	0.312	68	33	0.3	48	0.05	78.59	0.09
	A	0.95		18		5199	5.2	1.000	0.062	3.8	0.317	90	86	3.5	262	0.26	78.50	0.16
	A	2.15		18		5199	5.2	1.000	0.062	3.8	0.317	90	194	0.3	209	0.21	78.33	0.48
	A	5.46		12		1733	1.7	1.000	0.021	1.3	0.271	125	680	1.0	717	0.72	77.85	2.52
	A	0.85		12		1733	1.7	1.000	0.021	1.3	0.270	125	106	4.3	263	0.26	75.33	0.27
	A	0.40		12		1733	1.7	1.000	0.021	1.3	0.270	125	50	808.5	29592	29.59	75.06	0.18
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.141 m³/h Δp = 29531 Pa															
	46-3												Φr = 1733 W Aut. = Δp = 1000 Pa					
	A	0.25		12		1733	1.7	1.000	0.021	1.3	0.267	134	34	2.7	129	0.13	54.88	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 85 Pa															
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.267	134	20	0.3	31	0.03	54.82	0.03
	A	1.36		12		1733	1.7	1.000	0.021	1.3	0.267	134	183	1.5	236	0.24	54.79	0.34
	A	4.10		15		3466	3.5	1.000	0.041	2.5	0.317	128	525	5.0	775	0.78	55.92	0.65
	A	0.95		18		5199	5.2	1.000	0.062	3.8	0.314	96	92	4.0	289	0.29	55.97	0.09
	A	0.29		22		7675	7.7	1.000	0.092	5.6	0.308	72	21	0.3	35	0.04	55.70	0.03
	A	0.20		22		7675	7.7	1.000	0.092	5.6	0.308	72	14	1.0	62	0.06	55.67	0.02
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00

	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 09-2 in the room:																	
	Δpdisp = 71247 Pa Δpgr = -2 Pa Δp = 71247 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 174.74 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	0.40		22		7675	7.7	1.000	0.092	5.7	0.312	68	27	1.5	100	0.10	78.64	0.06
	A	0.49		22		7675	7.7	1.000	0.092	5.7	0.312	68	33	0.3	48	0.05	78.59	0.09
	A	2.10		15		2476	2.5	1.000	0.030	1.8	0.229	66	139	3.5	230	0.23	78.50	0.62
	A	2.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	143	0.3	150	0.15	77.87	0.86
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.02	0.25
	A	0.40		12		1238	1.2	1.000	0.015	0.9	0.193	69	28	1654.2	30938	30.94	76.77	0.26
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.098 m³/h Δp = 30845 Pa															
	09-2		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	56.51	0.09
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	56.42	0.04
	A	4.10		12		1238	1.2	1.000	0.015	0.9	0.191	74	302	4.3	381	0.38	56.38	1.50
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	73	11	1.5	38	0.04	54.88	0.04
	A	1.95		15		2476	2.5	1.000	0.030	1.8	0.226	71	139	4.0	241	0.24	55.62	0.31
	A	0.29		22		7675	7.7	1.000	0.092	5.6	0.308	72	21	0.3	35	0.04	55.70	0.03
	A	0.20		22		7675	7.7	1.000	0.092	5.6	0.308	72	14	1.0	62	0.06	55.67	0.02
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00

	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 09-1 in the room:																	
	Δpdisp = 71248 Pa Δpgr = -1 Pa Δp = 71248 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 170.34 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	0.40		22		7675	7.7	1.000	0.092	5.7	0.312	68	27	1.5	100	0.10	78.64	0.06
	A	0.49		22		7675	7.7	1.000	0.092	5.7	0.312	68	33	0.3	48	0.05	78.59	0.09
	A	2.10		15		2476	2.5	1.000	0.030	1.8	0.229	66	139	3.5	230	0.23	78.50	0.62
	A	2.15		15		2476	2.5	1.000	0.030	1.8	0.229	66	143	0.3	150	0.15	77.87	0.86
	A	0.85		15		2476	2.5	1.000	0.030	1.8	0.229	66	56	4.3	169	0.17	77.02	0.25
	A	0.45		12		1238	1.2	1.000	0.015	0.9	0.193	69	31	1677.0	31365	31.37	76.77	0.29
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.098 m³/h Δp = 31269 Pa															
	09-1		Φr = 1238 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1238	1.2	1.000	0.015	0.9	0.191	74	15	3.4	76	0.08	56.48	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 43 Pa															
	A	1.95		15		2476	2.5	1.000	0.030	1.8	0.226	71	139	4.0	241	0.24	55.62	0.31
	A	0.29		22		7675	7.7	1.000	0.092	5.6	0.308	72	21	0.3	35	0.04	55.70	0.03
	A	0.20		22		7675	7.7	1.000	0.092	5.6	0.308	72	14	1.0	62	0.06	55.67	0.02
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02

	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 48-1 in the room:																	
	Δpdisp = 71518 Pa Δpgr = 269 Pa Δp = 71518 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 178.09 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.54	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.48	0.10
	A	1.80		15		2475	2.5	1.000	0.030	1.8	0.229	66	119	5.5	263	0.26	78.37	0.53
	A	0.37		15		2475	2.5	1.000	0.030	1.8	0.229	66	25	1139.8	29870	29.87	77.84	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.200 m³/h Δp = 29838 Pa															
	48-1		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	57.69	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 173 Pa															
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	57.63	0.03
	A	1.92		15		2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	194	0.19	57.61	0.45
	A	0.95		15		2475	2.5	1.000	0.030	1.8	0.226	71	67	4.0	170	0.17	57.16	0.16
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.38	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.35	0.02
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02

	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-1 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 184.74 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.54	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.48	0.10
	A	2.09		15		3218	3.2	1.000	0.038	2.4	0.298	105	219	3.5	374	0.37	78.37	0.48
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.298	105	226	0.3	239	0.24	77.89	0.66
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	77.23	0.19
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	109	44	896.5	28348	28.35	77.04	0.20
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.134 m³/h Δp = 28194 Pa															
	10-1		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.249	117	29	2.7	112	0.11	56.84	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.249	117	18	0.3	27	0.03	56.77	0.03
	A	4.10		12		1609	1.6	1.000	0.019	1.2	0.248	117	481	4.3	614	0.61	56.74	1.17
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	118	18	1.5	64	0.06	55.57	0.03
	A	1.94		15		3218	3.2	1.000	0.038	2.3	0.294	112	218	4.0	391	0.39	56.15	0.24
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.38	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.35	0.02
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00

	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-2 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 5 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 180.34 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.54	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.48	0.10
	A	2.09		15		3218	3.2	1.000	0.038	2.4	0.298	105	219	3.5	374	0.37	78.37	0.48
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.298	105	226	0.3	239	0.24	77.89	0.66
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	77.23	0.19
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	109	49	918.1	29038	29.04	77.04	0.23
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.132 m³/h Δp = 28878 Pa															
	10-2		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.249	117	23	3.4	127	0.13	56.82	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	1.94		15		3218	3.2	1.000	0.038	2.3	0.294	112	218	4.0	391	0.39	56.15	0.24
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.38	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.35	0.02
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02

	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 48-2 in the room:																	
	Δpdisp = 71518 Pa Δpgr = 269 Pa Δp = 71518 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 189.49 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.41	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.35	0.10
	A	1.80		15		2475	2.5	1.000	0.030	1.8	0.229	66	119	5.5	263	0.26	78.25	0.53
	A	0.37		15		2475	2.5	1.000	0.030	1.8	0.229	66	25	1073.2	28122	28.12	77.72	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.206 m³/h Δp = 28090 Pa															
	48-2		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	57.57	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 173 Pa															
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	57.51	0.03
	A	1.92		15		2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	195	0.19	57.48	0.45
	A	0.95		15		2475	2.5	1.000	0.030	1.8	0.226	71	67	4.0	170	0.17	57.03	0.16
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.26	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.23	0.02
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03

	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-4 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 196.14 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.41	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.35	0.10
	A	2.09		15		3218	3.2	1.000	0.038	2.4	0.298	105	219	3.5	374	0.37	78.25	0.48
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	226	0.3	239	0.24	77.77	0.66
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	77.11	0.19
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	109	44	841.2	26600	26.60	76.92	0.20
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.138 m³/h Δp = 26446 Pa															
	10-4												Φr = 1609 W Aut. = Δp = 1000 Pa					
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.248	117	29	2.7	112	0.11	56.72	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	117	18	0.3	27	0.03	56.65	0.03
	A	4.10		12		1609	1.6	1.000	0.019	1.2	0.248	117	481	4.3	614	0.61	56.62	1.17
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	118	18	1.5	64	0.06	55.45	0.03
	A	1.94		15		3218	3.2	1.000	0.038	2.3	0.294	112	218	4.0	391	0.39	56.03	0.24
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.26	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.23	0.02
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02

	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-3 in the room:																	
	Δpdisp = 71254 Pa Δpgr = 5 Pa Δp = 71254 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 191.74 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.41	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.35	0.10
	A	2.09		15		3218	3.2	1.000	0.038	2.4	0.298	105	219	3.5	374	0.37	78.25	0.48
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	226	0.3	239	0.24	77.77	0.66
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	77.11	0.19
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	109	49	862.9	27290	27.29	76.92	0.22
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.136 m³/h Δp = 27130 Pa															
	10-3		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	117	23	3.4	127	0.13	56.70	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	1.94		15		3218	3.2	1.000	0.038	2.3	0.294	112	218	4.0	391	0.39	56.03	0.24
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.26	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.23	0.02
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05

	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 47-1 in the room:																	
	Δpdisp = 71514 Pa Δpgr = 266 Pa Δp = 71514 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 191.39 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.40		15		3555	3.6	1.000	0.042	2.6	0.329	125	50	1.5	131	0.13	78.39	0.08
	A	0.50		15		3555	3.6	1.000	0.042	2.6	0.329	125	62	0.3	78	0.08	78.31	0.14
	A	1.75		15		2133	2.1	1.000	0.025	1.6	0.197	51	89	5.0	186	0.19	78.17	0.60
	A	0.37		15		2133	2.1	1.000	0.025	1.6	0.197	51	19	1429.7	27813	27.81	77.57	0.17
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.179 m³/h Δp = 27788 Pa															
	47-1		Φr = 2133 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2133	2.1	1.000	0.025	1.6	0.195	55	14	7.1	148	0.15	57.40	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 128 Pa															
	A	0.15		15		2133	2.1	1.000	0.025	1.6	0.195	55	8	0.3	14	0.01	57.33	0.03
	A	1.92		15		2133	2.1	1.000	0.025	1.6	0.195	55	105	2.3	149	0.15	57.30	0.52
	A	0.90		15		2133	2.1	1.000	0.025	1.6	0.195	55	49	3.0	106	0.11	56.78	0.17
	A	0.29		15		3555	3.6	1.000	0.042	2.6	0.325	133	39	0.3	55	0.05	56.43	0.05

	A	0.20		15		3555	3.6	1.000	0.042	2.6	0.325	133	27	1.0	79	0.08	56.39	0.02
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 11-1 in the room:																	
	Δpdisp = 71254 Pa Δpgr = 5 Pa Δp = 71254 Pa Δpover = 0 Pa ΔH = -0.21 m LCIR = 192.20 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.40		15		3555	3.6	1.000	0.042	2.6	0.329	125	50	1.5	131	0.13	78.39	0.08
	A	0.50		15		3555	3.6	1.000	0.042	2.6	0.329	125	62	0.3	78	0.08	78.31	0.14
	A	1.31		12		1422	1.4	1.000	0.017	1.0	0.222	88	115	5.5	251	0.25	78.17	0.54
	A	0.37		12		1422	1.4	1.000	0.017	1.0	0.222	88	33	1103.2	27259	27.26	77.63	0.21
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.120 m³/h		Δp = 27218 Pa												

	11-1			Φr = 1422 W Aut. = Δp = 1000 Pa														
	A	0.25		12		1422	1.4	1.000	0.017	1.0	0.220	94	24	2.7	88	0.09	57.42	0.08
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 57 Pa										
	A	0.15		12		1422	1.4	1.000	0.017	1.0	0.220	94	14	0.3	21	0.02	57.33	0.04
	A	1.92		12		1422	1.4	1.000	0.017	1.0	0.220	94	181	2.3	237	0.24	57.30	0.64
	A	2.15		12		1422	1.4	1.000	0.017	1.0	0.220	95	204	4.0	300	0.30	56.66	0.49
	A	0.29		15		3555	3.6	1.000	0.042	2.6	0.325	133	39	0.3	55	0.05	56.43	0.05
	A	0.20		15		3555	3.6	1.000	0.042	2.6	0.325	133	27	1.0	79	0.08	56.39	0.02
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16			Preset: 8 dn = 65 mm														
				kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 47-2 in the room:																	
	Δpdisp = 71514 Pa Δpgr = 266 Pa Δp = 71514 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 200.19 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER			dn = 65 mm		kv = 63.090		Δp = 5307 Pa										
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 88 Pa										
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 88 Pa										
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00

	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	0.40		15		3555	3.6	1.000	0.042	2.6	0.329	125	50	1.5	131	0.13	78.29	0.08
	A	0.50		15		3555	3.6	1.000	0.042	2.6	0.329	125	62	0.3	78	0.08	78.20	0.14
	A	1.75		15		2133	2.1	1.000	0.025	1.6	0.197	51	89	5.0	186	0.19	78.06	0.60
	A	0.37		15		2133	2.1	1.000	0.025	1.6	0.197	51	19	1365.4	26560	26.56	77.47	0.17
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.183 m³/h Δp = 26535 Pa															
	47-2		Φr = 2133 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2133	2.1	1.000	0.025	1.6	0.195	55	14	7.1	148	0.15	57.29	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 128 Pa															
	A	0.15		15		2133	2.1	1.000	0.025	1.6	0.195	55	8	0.3	14	0.01	57.23	0.03
	A	1.92		15		2133	2.1	1.000	0.025	1.6	0.195	55	105	2.3	149	0.15	57.20	0.51
	A	0.90		15		2133	2.1	1.000	0.025	1.6	0.195	55	49	3.0	106	0.11	56.68	0.17
	A	0.29		15		3555	3.6	1.000	0.042	2.6	0.325	133	39	0.3	55	0.05	56.33	0.05
	A	0.20		15		3555	3.6	1.000	0.042	2.6	0.325	134	27	1.0	79	0.08	56.29	0.02
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 11-2 in the room:																	
	Δpdisp = 71254 Pa Δpgr = 6 Pa Δp = 71254 Pa Δpover = 0 Pa ΔH = -0.21 m LCIR = 201.00 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00

	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	0.40		15		3555	3.6	1.000	0.042	2.6	0.329	125	50	1.5	131	0.13	78.29	0.08
	A	0.50		15		3555	3.6	1.000	0.042	2.6	0.329	125	62	0.3	78	0.08	78.20	0.14
	A	1.31		12		1422	1.4	1.000	0.017	1.0	0.222	88	115	5.5	251	0.25	78.06	0.54
	A	0.37		12		1422	1.4	1.000	0.017	1.0	0.222	88	33	1052.6	26006	26.01	77.53	0.21
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.123 m³/h Δp = 25966 Pa															
	11-2		Φr = 1422 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1422	1.4	1.000	0.017	1.0	0.220	94	24	2.7	88	0.09	57.31	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 57 Pa															
	A	0.15		12		1422	1.4	1.000	0.017	1.0	0.220	94	14	0.3	21	0.02	57.23	0.04
	A	1.92		12		1422	1.4	1.000	0.017	1.0	0.220	94	181	2.3	237	0.24	57.19	0.64
	A	2.15		12		1422	1.4	1.000	0.017	1.0	0.220	95	204	4.0	300	0.30	56.56	0.49
	A	0.29		15		3555	3.6	1.000	0.042	2.6	0.325	133	39	0.3	55	0.05	56.33	0.05
	A	0.20		15		3555	3.6	1.000	0.042	2.6	0.325	134	27	1.0	79	0.08	56.29	0.02
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 48-3 in the room:																	
	Δpdisp = 71518 Pa Δpgr = 269 Pa Δp = 71518 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 202.29 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01

	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.26	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.20	0.10
	A	1.80		15		2475	2.5	1.000	0.030	1.8	0.229	66	119	5.5	263	0.26	78.10	0.53
	A	0.37		15		2475	2.5	1.000	0.030	1.8	0.229	66	25	986.5	25846	25.85	77.57	0.15
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.215 m³/h		Δp = 25814 Pa												
	48-3					Φr = 2475 W Aut. =				Δp = 1000 Pa								
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	57.42	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 173 Pa												
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	57.36	0.03
	A	1.92		15		2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	195	0.19	57.34	0.45
	A	0.95		15		2475	2.5	1.000	0.030	1.8	0.226	71	67	4.0	170	0.17	56.89	0.16
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.12	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.09	0.02
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														

			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 10-5 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 5 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 208.94 m																	
	GRANA 2					ΔpHS = 10000 Pa												
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.26	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.20	0.10
	A	2.09		15		3218	3.2	1.000	0.038	2.4	0.298	105	219	3.5	374	0.37	78.10	0.47
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	226	0.3	239	0.24	77.62	0.66
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	76.96	0.19
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	109	44	769.3	24325	24.32	76.78	0.20
	RA-DV S		Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.144 m³/h		Δp = 24170 Pa											
	10-5						Φr = 1609 W Aut. =				Δp = 1000 Pa							
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.248	117	29	2.7	112	0.11	56.58	0.07
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 73 Pa											
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	117	18	0.3	27	0.03	56.50	0.03
	A	4.10		12		1609	1.6	1.000	0.019	1.2	0.248	117	482	4.3	614	0.61	56.47	1.16
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	118	18	1.5	64	0.06	55.31	0.03
	A	1.94		15		3218	3.2	1.000	0.038	2.3	0.294	112	218	4.0	391	0.39	55.89	0.24
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.12	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.09	0.02
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03

	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-6 in the room:																	
	Δpdisp = 71254 Pa Δpgr = 5 Pa Δp = 71254 Pa Δpover = 0 Pa ΔH = -0.14 m LCIR = 204.54 m																	
	GRANA 2									ΔpHS = 10000 Pa								
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.26	0.06
	A	0.50		18		5693	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.20	0.10
	A	2.09		15		3218	3.2	1.000	0.038	2.4	0.298	105	219	3.5	374	0.37	78.10	0.47
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	226	0.3	239	0.24	77.62	0.66
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	76.96	0.19
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	109	49	791.0	25014	25.01	76.78	0.22
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.142 m³/h Δp = 24855 Pa															
	10-6		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	117	23	3.4	127	0.13	56.55	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	1.94		15		3218	3.2	1.000	0.038	2.3	0.294	112	218	4.0	391	0.39	55.89	0.24
	A	0.29		18		5693	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.12	0.03
	A	0.20		18		5693	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.09	0.02
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00

	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 49-2 in the room:																	
	Δpdisp = 71516 Pa Δpgr = 267 Pa Δp = 71516 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 208.33 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	0.40		18		5694	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.19	0.06
	A	0.50		18		5694	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.13	0.10

	A	1.75		18		4456	4.5	1.000	0.053	3.3	0.272	69	120	7.0	379	0.38	78.03	0.34
	A	0.85		15		2228	2.2	1.000	0.027	1.6	0.206	55	47	1171.9	24905	24.91	77.69	0.38
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.198 m³/h		Δp = 24784 Pa												
	49-2					Φr = 2228 W Aut. =						Δp = 1000 Pa						
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	57.31	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.25	0.03
	A	2.39		15		2228	2.2	1.000	0.027	1.6	0.204	59	141	8.0	307	0.31	57.22	0.61
	A	0.90		18		4456	4.5	1.000	0.053	3.2	0.269	73	66	3.0	174	0.17	56.64	0.10
	A	0.29		18		5694	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.37	0.03
	A	0.20		18		5694	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.34	0.02
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h			Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 49-1 in the room:																	
	Δpdisp = 71515 Pa Δpgr = 267 Pa Δp = 71515 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 208.16 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04

	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	0.40		18		5694	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.19	0.06
	A	0.50		18		5694	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.13	0.10
	A	1.75		18		4456	4.5	1.000	0.053	3.3	0.272	69	120	7.0	379	0.38	78.03	0.34
	A	0.70		15		2228	2.2	1.000	0.027	1.6	0.206	55	39	1172.3	24907	24.91	77.69	0.31
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.198 m³/h Δp = 24794 Pa															
	49-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	57.37	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	57.32	0.03
	A	2.41		15		2228	2.2	1.000	0.027	1.6	0.204	59	142	8.0	308	0.31	57.29	0.62
	A	0.90		18		4456	4.5	1.000	0.053	3.2	0.269	73	66	3.0	174	0.17	56.64	0.10
	A	0.29		18		5694	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.37	0.03
	A	0.20		18		5694	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.34	0.02
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 12-1 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.21 m LCIR = 208.19 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															

	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	0.40		18		5694	5.7	1.000	0.068	4.2	0.348	106	42	1.5	133	0.13	78.19	0.06
	A	0.50		18		5694	5.7	1.000	0.068	4.2	0.348	106	53	0.3	71	0.07	78.13	0.10
	A	1.31		12		1238	1.2	1.000	0.015	0.9	0.193	69	90	5.5	193	0.19	78.03	0.61
	A	0.37		12		1238	1.2	1.000	0.015	0.9	0.193	69	26	1334.8	24987	24.99	77.42	0.24
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.109 m³/h		Δp = 24956 Pa												
	12-1					Φr = 1238 W Aut. =						Δp = 1000 Pa						
	A	0.25		12		1238	1.2	1.000	0.015	0.9	0.191	74	18	2.7	67	0.07	57.17	0.10
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 43 Pa												
	A	0.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	11	0.3	17	0.02	57.07	0.04
	A	1.92		12		1238	1.2	1.000	0.015	0.9	0.191	74	142	2.3	184	0.18	57.03	0.73
	A	2.15		12		1238	1.2	1.000	0.015	0.9	0.191	74	159	4.0	232	0.23	56.31	0.56
	A	0.29		18		5694	5.7	1.000	0.068	4.1	0.343	113	33	0.3	51	0.05	56.37	0.03
	A	0.20		18		5694	5.7	1.000	0.068	4.1	0.343	113	23	1.0	82	0.08	56.34	0.02
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00

	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 48-4 in the room:																	
	Δpdisp = 71514 Pa Δpgr = 265 Pa Δp = 71514 Pa Δpover = 0 Pa ΔH = 2.85 m LCIR = 213.38 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.40		18		4084	4.1	1.000	0.049	3.0	0.249	59	24	1.5	70	0.07	78.11	0.09
	A	0.50		18		4084	4.1	1.000	0.049	3.0	0.249	59	29	0.3	39	0.04	78.03	0.14
	A	1.75		15		2475	2.5	1.000	0.030	1.8	0.229	66	115	5.5	259	0.26	77.89	0.51
	A	0.37		15		2475	2.5	1.000	0.030	1.8	0.229	66	25	935.6	24509	24.51	77.37	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.221 m³/h Δp = 24477 Pa															
	48-4		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	57.23	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 173 Pa															
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	57.17	0.03
	A	1.92		15		2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	195	0.19	57.14	0.44
	A	0.90		15		2475	2.5	1.000	0.030	1.8	0.226	71	64	4.0	166	0.17	56.70	0.15
	A	0.29		18		4084	4.1	1.000	0.049	3.0	0.246	63	18	0.3	28	0.03	56.38	0.05
	A	0.20		18		4084	4.1	1.000	0.049	3.0	0.246	63	13	1.0	43	0.04	56.34	0.02
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00

	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-7 in the room:																	
	Δpdisp = 71256 Pa Δpgr = 7 Pa Δp = 71256 Pa Δpover = 0 Pa ΔH = -0.21 m LCIR = 214.19 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01

	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.40		18		4084	4.1	1.000	0.049	3.0	0.249	59	24	1.5	70	0.07	78.11	0.09
	A	0.50		18		4084	4.1	1.000	0.049	3.0	0.249	59	29	0.3	39	0.04	78.03	0.14
	A	1.31		12		1609	1.6	1.000	0.019	1.2	0.251	109	142	5.5	316	0.32	77.89	0.47
	A	0.37		12		1609	1.6	1.000	0.019	1.2	0.251	109	41	757.3	23963	23.96	77.41	0.19
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.145 m³/h		Δp = 23912 Pa												
	10-7					Φr = 1609 W Aut. =			Δp = 1000 Pa									
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.249	117	29	2.7	112	0.11	57.23	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 73 Pa												
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.249	117	18	0.3	27	0.03	57.15	0.03
	A	1.92		12		1609	1.6	1.000	0.019	1.2	0.249	117	225	2.3	296	0.30	57.12	0.56
	A	2.15		12		1609	1.6	1.000	0.019	1.2	0.248	117	252	4.0	376	0.38	56.56	0.43
	A	0.29		18		4084	4.1	1.000	0.049	3.0	0.246	63	18	0.3	28	0.03	56.38	0.05
	A	0.20		18		4084	4.1	1.000	0.049	3.0	0.246	63	13	1.0	43	0.04	56.34	0.02
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h			Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 49-4 in the room:																	
	Δpdisp = 71524 Pa Δpgr = 275 Pa Δp = 71524 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 225.13 m																	
	GRANA 2					ΔpHS = 10000 Pa												
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05

	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	0.40		22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	78.01	0.06
	A	0.49		22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.95	0.09
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	77.86	0.20
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	77.66	0.56
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	77.10	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1093.9	23206	23.21	76.94	0.17
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.205 m³/h Δp = 23110 Pa															
	49-4		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.77	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.70	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	243	5.0	346	0.35	56.67	1.03
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	56.16	0.11
	A	0.29		22		7178	7.2	1.000	0.086	5.2	0.288	64	18	0.3	31	0.03	55.66	0.03
	A	0.20		22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.63	0.02
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02

	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 49-3 in the room:																	
	Δpdisp = 71524 Pa Δpgr = 275 Pa Δp = 71524 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 221.03 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	0.40		22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	78.01	0.06
	A	0.49		22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.95	0.09
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	77.86	0.20
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	77.66	0.56
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	77.10	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1109.1	23531	23.53	76.94	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.203 m³/h Δp = 23432 Pa															
	49-3		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.74	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	56.69	0.03
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	56.16	0.11
	A	0.29		22		7178	7.2	1.000	0.086	5.2	0.288	64	18	0.3	31	0.03	55.66	0.03
	A	0.20		22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.63	0.02
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00

	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 13-2 in the room:																	
	Δpdisp = 71255 Pa Δpgr = 7 Pa Δp = 71255 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 227.22 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01

	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	0.40		22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	78.01	0.06
	A	0.49		22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.95	0.09
	A	2.05		15		2722	2.7	1.000	0.033	2.0	0.252	78	160	3.5	271	0.27	77.86	0.55
	A	2.15		15		2722	2.7	1.000	0.033	2.0	0.252	78	169	0.3	178	0.18	77.31	0.77
	A	0.85		15		2722	2.7	1.000	0.033	2.0	0.251	78	67	4.3	203	0.20	76.54	0.22
	A	0.40		12		1361	1.4	1.000	0.016	1.0	0.212	82	33	1005.0	22716	22.72	76.32	0.23
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.126 m³/h Δp = 22604 Pa															
	13-2		Φr = 1361 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	56.09	0.08
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	56.00	0.04
	A	4.10		12		1361	1.4	1.000	0.016	1.0	0.210	88	362	4.3	456	0.46	55.97	1.35
	A	0.15		12		1361	1.4	1.000	0.016	1.0	0.210	88	13	1.5	46	0.05	54.62	0.03
	A	1.90		15		2722	2.7	1.000	0.033	2.0	0.249	84	160	4.0	283	0.28	55.29	0.27
	A	0.29		22		7178	7.2	1.000	0.086	5.2	0.288	64	18	0.3	31	0.03	55.66	0.03
	A	0.20		22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.63	0.02
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 13-1 in the room:																	
	Δpdisp = 71256 Pa Δpgr = 7 Pa Δp = 71256 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 222.82 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02

	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	0.40		22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	78.01	0.06
	A	0.49		22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.95	0.09
	A	2.05		15		2722	2.7	1.000	0.033	2.0	0.252	78	160	3.5	271	0.27	77.86	0.55
	A	2.15		15		2722	2.7	1.000	0.033	2.0	0.252	78	169	0.3	178	0.18	77.31	0.77
	A	0.85		15		2722	2.7	1.000	0.033	2.0	0.251	78	67	4.3	203	0.20	76.54	0.22
	A	0.45		12		1361	1.4	1.000	0.016	1.0	0.212	82	37	1027.5	23228	23.23	76.32	0.26
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.125 m³/h Δp = 23112 Pa															
	13-1								Φr = 1361 W Aut. = Δp = 1000 Pa									
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	3.4	92	0.09	56.06	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 52 Pa															
	A	1.90		15		2722	2.7	1.000	0.033	2.0	0.249	84	160	4.0	283	0.28	55.29	0.27
	A	0.29		22		7178	7.2	1.000	0.086	5.2	0.288	64	18	0.3	31	0.03	55.66	0.03
	A	0.20		22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.63	0.02
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00

	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 50-2 in the room:																	
	Δpdisp = 71524 Pa Δpgr = 275 Pa Δp = 71524 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 235.53 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	0.40		22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	77.86	0.06
	A	0.49		22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.80	0.09
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	77.71	0.20
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	77.51	0.56
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.95	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	1050.0	22272	22.27	76.79	0.17
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.209 m³/h Δp = 22176 Pa															
	50-2		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.62	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.55	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	243	5.0	346	0.35	56.53	1.02
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	56.01	0.11
	A	0.29		22		7178	7.2	1.000	0.086	5.2	0.288	64	19	0.3	31	0.03	55.51	0.03
	A	0.20		22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.48	0.02
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00

	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 50-1 in the room:																	
	Δpdisp = 71524 Pa Δpgr = 275 Pa Δp = 71524 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 231.43 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10

	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	0.40		22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	77.86	0.06
	A	0.49		22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.80	0.09
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	77.71	0.20
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	77.51	0.56
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.95	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	1065.2	22597	22.60	76.79	0.20
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.207 m³/h Δp = 22498 Pa															
	50-1		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.60	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	56.54	0.03
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	56.01	0.11
	A	0.29		22		7178	7.2	1.000	0.086	5.2	0.288	64	19	0.3	31	0.03	55.51	0.03
	A	0.20		22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.48	0.02
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 14-2 in the room:																	

Δpdisp = 71256 Pa Δpgr = 7 Pa Δp = 71256 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 237.62 m																		
	GRANA 2										ΔpHS = 10000 Pa							
	A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER			dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00			76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00			76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20			76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00			76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00			76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00			76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00			76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50			76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75			76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00			76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00			54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00			54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00			54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00			54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50			54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20			54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00			54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20			54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00			54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20			54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00			54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20			54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00			54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50			54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00			54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50			54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00			54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20			54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00			54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20			54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	0.40			22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	77.86	0.06
	A	0.49			22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.80	0.09
	A	2.05			15		2722	2.7	1.000	0.033	2.0	0.252	78	160	3.5	271	0.27	77.71	0.54
	A	2.15			15		2722	2.7	1.000	0.033	2.0	0.252	78	169	0.3	178	0.18	77.16	0.77
	A	0.85			15		2722	2.7	1.000	0.033	2.0	0.251	78	67	4.3	203	0.20	76.39	0.22
	A	0.40			12		1361	1.4	1.000	0.016	1.0	0.212	82	33	963.8	21782	21.78	76.17	0.23
	RA-DV S			Preset: 6		dn = 15 mm													
				Q = m³/h		kv = 0.129 m³/h			Δp = 21670 Pa										
	14-2										Φr = 1361 W Aut. =		Δp = 1000 Pa						
	A	0.25			12		1361	1.4	1.000	0.016	1.0	0.210	88	22	2.7	81	0.08	55.94	0.08
	RLV-S			dn = 15 mm		kv = 2.600			Δp = 52 Pa										
	A	0.15			12		1361	1.4	1.000	0.016	1.0	0.210	88	13	0.3	20	0.02	55.86	0.04
	A	4.10			12		1361	1.4	1.000	0.016	1.0	0.210	88	362	4.3	457	0.46	55.82	1.34
	A	0.15			12		1361	1.4	1.000	0.016	1.0	0.210	89	13	1.5	46	0.05	54.48	0.03
	A	1.90			15		2722	2.7	1.000	0.033	2.0	0.249	84	160	4.0	283	0.28	55.15	0.27
	A	0.29			22		7178	7.2	1.000	0.086	5.2	0.288	64	19	0.3	31	0.03	55.51	0.03
	A	0.20			22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.48	0.02
	A	0.20			54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00			54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20			54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00			54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29			54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00			54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29			54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00			54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20			54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00			54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20			54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00			54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20			54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00			54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20			54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00

	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 14-1 in the room:																	
	Δpdisp = 71256 Pa Δpgr = 8 Pa Δp = 71256 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 233.22 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01

	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	0.40		22		7178	7.2	1.000	0.086	5.3	0.292	60	24	1.5	88	0.09	77.86	0.06
	A	0.49		22		7178	7.2	1.000	0.086	5.3	0.292	60	30	0.3	42	0.04	77.80	0.09
	A	2.05		15		2722	2.7	1.000	0.033	2.0	0.252	78	160	3.5	271	0.27	77.71	0.54
	A	2.15		15		2722	2.7	1.000	0.033	2.0	0.252	78	169	0.3	178	0.18	77.16	0.77
	A	0.85		15		2722	2.7	1.000	0.033	2.0	0.251	78	67	4.3	203	0.20	76.39	0.22
	A	0.45		12		1361	1.4	1.000	0.016	1.0	0.212	82	37	986.3	22294	22.29	76.17	0.26
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.128 m³/h		Δp = 22179 Pa												
	14-1									Φr = 1361 W	Aut. =	Δp = 1000 Pa						
	A	0.20		12		1361	1.4	1.000	0.016	1.0	0.210	88	18	3.4	92	0.09	55.91	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 52 Pa												
	A	1.90		15		2722	2.7	1.000	0.033	2.0	0.249	84	160	4.0	283	0.28	55.15	0.27
	A	0.29		22		7178	7.2	1.000	0.086	5.2	0.288	64	19	0.3	31	0.03	55.51	0.03
	A	0.20		22		7178	7.2	1.000	0.086	5.2	0.288	64	13	1.0	54	0.05	55.48	0.02
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 48-5 in the room:																	
	Δpdisp = 71526 Pa Δpgr = 278 Pa Δp = 71526 Pa Δpover = 0 Pa ΔH = 3.00 m LCIR = 235.27 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03

	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.40		18		4084	4.1	1.000	0.049	3.0	0.249	59	24	1.5	70	0.07	77.80	0.09
	A	0.50		18		4084	4.1	1.000	0.049	3.0	0.249	59	29	0.3	39	0.04	77.71	0.14
	A	1.90		15		2475	2.5	1.000	0.030	1.8	0.229	66	125	5.5	269	0.27	77.57	0.55
	A	0.37		15		2475	2.5	1.000	0.030	1.8	0.229	66	25	853.8	22357	22.36	77.02	0.15
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.231 m³/h		Δp = 22325 Pa												
	48-5					Φr = 2475 W Aut. =						Δp = 1000 Pa						
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	56.87	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 173 Pa												
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	56.81	0.02
	A	1.92		15		2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	195	0.19	56.79	0.44
	A	1.05		15		2475	2.5	1.000	0.030	1.8	0.226	71	75	4.0	177	0.18	56.35	0.17
	A	0.29		18		4084	4.1	1.000	0.049	3.0	0.246	63	18	0.3	28	0.03	56.07	0.05
	A	0.20		18		4084	4.1	1.000	0.049	3.0	0.246	63	13	1.0	43	0.04	56.03	0.02
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03

	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-8 in the room:																	
	Δpdisp = 71270 Pa Δpgr = 21 Pa Δp = 71270 Pa Δpover = 0 Pa ΔH = -0.06 m LCIR = 235.48 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.40		18		4084	4.1	1.000	0.049	3.0	0.249	59	24	1.5	70	0.07	77.80	0.09
	A	0.50		18		4084	4.1	1.000	0.049	3.0	0.249	59	29	0.3	39	0.04	77.71	0.14
	A	1.16		12		1609	1.6	1.000	0.019	1.2	0.251	109	126	5.5	300	0.30	77.57	0.41
	A	0.37		12		1609	1.6	1.000	0.019	1.2	0.251	109	41	691.1	21866	21.87	77.16	0.19
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.152 m³/h Δp = 21816 Pa															
	10-8		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.249	117	29	2.7	112	0.11	56.97	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.249	117	18	0.3	27	0.03	56.90	0.03
	A	1.92		12		1609	1.6	1.000	0.019	1.2	0.248	117	225	2.3	296	0.30	56.86	0.56

	A	2.00		12		1609	1.6	1.000	0.019	1.2	0.248	117	235	4.0	358	0.36	56.31	0.40
	A	0.29		18		4084	4.1	1.000	0.049	3.0	0.246	63	18	0.3	28	0.03	56.07	0.05
	A	0.20		18		4084	4.1	1.000	0.049	3.0	0.246	63	13	1.0	43	0.04	56.03	0.02
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 48-6 in the room:																	
	Δpdisp = 71517 Pa Δpgr = 268 Pa Δp = 71517 Pa Δpover = 0 Pa ΔH = 2.89 m LCIR = 245.82 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05

	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	77.62	0.06
	A	0.48		18		5693	5.7	1.000	0.068	4.2	0.347	106	51	0.3	69	0.07	77.56	0.10
	A	1.79		15		2475	2.5	1.000	0.030	1.8	0.229	66	118	5.5	262	0.26	77.46	0.52
	A	0.37		15		2475	2.5	1.000	0.030	1.8	0.229	66	25	818.5	21434	21.43	76.94	0.15
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.236 m³/h Δp = 21401 Pa															
	48-6		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	56.80	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 173 Pa															
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	56.74	0.02
	A	1.92		15		2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	195	0.19	56.71	0.44
	A	0.94		15		2475	2.5	1.000	0.030	1.8	0.226	71	67	4.0	169	0.17	56.28	0.15
	A	0.28		18		5693	5.7	1.000	0.068	4.1	0.343	113	32	0.3	49	0.05	55.52	0.03
	A	0.19		18		5693	5.7	1.000	0.068	4.1	0.343	113	22	1.0	81	0.08	55.49	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01

	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-10 in the room:																	
	Δpdisp = 71254 Pa Δpgr = 6 Pa Δp = 71254 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 252.50 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	77.62	0.06
	A	0.48		18		5693	5.7	1.000	0.068	4.2	0.347	106	51	0.3	69	0.07	77.56	0.10
	A	2.10		15		3218	3.2	1.000	0.038	2.4	0.297	105	220	3.5	375	0.38	77.46	0.47
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	226	0.3	240	0.24	76.99	0.65
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	76.34	0.19
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	110	44	629.9	19910	19.91	76.16	0.20
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.160 m³/h Δp = 19756 Pa															
	10-10		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.248	117	29	2.7	112	0.11	55.96	0.07
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	117	18	0.3	27	0.03	55.89	0.03
	A	4.10		12		1609	1.6	1.000	0.019	1.2	0.248	118	483	4.3	615	0.62	55.86	1.14
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	118	18	1.5	64	0.06	54.72	0.03
	A	1.95		15		3218	3.2	1.000	0.038	2.3	0.294	113	219	4.0	392	0.39	55.29	0.23
	A	0.28		18		5693	5.7	1.000	0.068	4.1	0.343	113	32	0.3	49	0.05	55.52	0.03

	A	0.19		18		5693	5.7	1.000	0.068	4.1	0.343	113	22	1.0	81	0.08	55.49	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-9 in the room:																	
	Δpdisp = 71255 Pa Δpgr = 6 Pa Δp = 71255 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 248.10 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18

	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	0.40		18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	77.62	0.06
	A	0.48		18		5693	5.7	1.000	0.068	4.2	0.347	106	51	0.3	69	0.07	77.56	0.10
	A	2.10		15		3218	3.2	1.000	0.038	2.4	0.297	105	220	3.5	375	0.38	77.46	0.47
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	226	0.3	240	0.24	76.99	0.65
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	89	4.3	279	0.28	76.34	0.19
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	110	49	651.6	20601	20.60	76.16	0.22
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.157 m³/h		Δp = 20442 Pa												
	10-9								Φr = 1609 W	Aut. =		Δp = 1000 Pa						
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	117	23	3.4	127	0.13	55.94	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 73 Pa												
	A	1.95		15		3218	3.2	1.000	0.038	2.3	0.294	113	219	4.0	392	0.39	55.29	0.23
	A	0.28		18		5693	5.7	1.000	0.068	4.1	0.343	113	32	0.3	49	0.05	55.52	0.03
	A	0.19		18		5693	5.7	1.000	0.068	4.1	0.343	113	22	1.0	81	0.08	55.49	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02

	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 50-4 in the room:																	
	Δpdisp = 71520 Pa Δpgr = 271 Pa Δp = 71520 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 252.63 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	0.40		22		9655	9.7	1.000	0.115	7.1	0.393	102	41	1.5	157	0.16	77.58	0.04
	A	0.49		22		9655	9.7	1.000	0.115	7.1	0.393	102	50	0.3	73	0.07	77.54	0.07
	A	0.95		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	77.47	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	77.28	0.55
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.73	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	974.6	20668	20.67	76.56	0.17
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.217 m³/h Δp = 20572 Pa															
	50-4		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	56.39	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	56.33	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.204	59	243	5.0	347	0.35	56.30	1.01

	A	0.95		18		4456	4.5	1.000	0.053	3.2	0.269	74	70	4.0	215	0.21	55.79	0.10
	A	0.29		22		9655	9.7	1.000	0.115	7.0	0.388	109	31	0.3	54	0.05	55.29	0.02
	A	0.20		22		9655	9.7	1.000	0.115	7.0	0.388	109	22	1.0	97	0.10	55.27	0.01
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 50-3 in the room:																	
	Δpdisp = 71520 Pa Δpgr = 271 Pa Δp = 71520 Pa Δpover = 0 Pa ΔH = 2.90 m LCIR = 248.53 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02

	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	0.40		22		9655	9.7	1.000	0.115	7.1	0.393	102	41	1.5	157	0.16	77.58	0.04
	A	0.49		22		9655	9.7	1.000	0.115	7.1	0.393	102	50	0.3	73	0.07	77.54	0.07
	A	0.95		18		4456	4.5	1.000	0.053	3.3	0.272	69	66	3.5	195	0.20	77.47	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	148	0.3	159	0.16	77.28	0.55
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.73	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	989.8	20993	20.99	76.56	0.20
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.215 m³/h		Δp = 20894 Pa												
	50-3					Φr = 2228 W Aut. =						Δp = 1000 Pa						
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	56.37	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	56.32	0.03
	A	0.95		18		4456	4.5	1.000	0.053	3.2	0.269	74	70	4.0	215	0.21	55.79	0.10
	A	0.29		22		9655	9.7	1.000	0.115	7.0	0.388	109	31	0.3	54	0.05	55.29	0.02
	A	0.20		22		9655	9.7	1.000	0.115	7.0	0.388	109	22	1.0	97	0.10	55.27	0.01
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01

	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 15-2 in the room:																	
	Δpdisp = 71253 Pa Δpgr = 4 Pa Δp = 71253 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 254.92 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	0.40		22		9655	9.7	1.000	0.115	7.1	0.393	102	41	1.5	157	0.16	77.58	0.04
	A	0.49		22		9655	9.7	1.000	0.115	7.1	0.393	102	50	0.3	73	0.07	77.54	0.07
	A	2.10		18		5199	5.2	1.000	0.062	3.8	0.317	90	189	3.5	366	0.37	77.47	0.35
	A	2.15		18		5199	5.2	1.000	0.062	3.8	0.317	90	195	0.3	210	0.21	77.12	0.47

	A	0.85		15		3466	3.5	1.000	0.041	2.6	0.320	120	102	5.5	384	0.38	76.64	0.17
	A	0.40		12		1733	1.7	1.000	0.021	1.3	0.271	125	50	527.2	19346	19.35	76.47	0.18
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.175 m³/h		Δp = 19168 Pa												
	15-2					Φr = 1733 W Aut. =				Δp = 1000 Pa								
	A	0.25		12		1733	1.7	1.000	0.021	1.3	0.268	133	33	2.7	129	0.13	56.29	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 85 Pa												
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.268	133	20	1.0	56	0.06	56.22	0.03
	A	4.10		15		3466	3.5	1.000	0.041	2.5	0.316	128	526	4.3	742	0.74	55.23	0.63
	A	0.15		15		3466	3.5	1.000	0.041	2.5	0.316	129	19	1.5	94	0.09	54.60	0.02
	A	1.95		18		5199	5.2	1.000	0.062	3.8	0.313	97	188	4.0	385	0.38	55.12	0.17
	A	0.29		22		9655	9.7	1.000	0.115	7.0	0.388	109	31	0.3	54	0.05	55.29	0.02
	A	0.20		22		9655	9.7	1.000	0.115	7.0	0.388	109	22	1.0	97	0.10	55.27	0.01
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 15-1 in the room:																	
	Δpdisp = 71254 Pa Δpgr = 5 Pa Δp = 71254 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 250.52 m																	
	GRANA 2					ΔpHS = 10000 Pa												
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02

	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	0.40		22		9655	9.7	1.000	0.115	7.1	0.393	102	41	1.5	157	0.16	77.58	0.04
	A	0.49		22		9655	9.7	1.000	0.115	7.1	0.393	102	50	0.3	73	0.07	77.54	0.07
	A	2.10		18		5199	5.2	1.000	0.062	3.8	0.317	90	189	3.5	366	0.37	77.47	0.35
	A	2.15		18		5199	5.2	1.000	0.062	3.8	0.317	90	195	0.3	210	0.21	77.12	0.47
	A	0.85		15		3466	3.5	1.000	0.041	2.6	0.320	120	102	5.5	384	0.38	76.64	0.17
	A	0.45		12		1733	1.7	1.000	0.021	1.3	0.271	125	56	550.9	20220	20.22	76.47	0.21
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.171 m³/h		Δp = 20036 Pa												
	15-1					Φr = 1733 W Aut. =						Δp = 1000 Pa						
	A	0.20		12		1733	1.7	1.000	0.021	1.3	0.268	133	27	3.4	147	0.15	56.26	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 85 Pa												
	A	1.95		18		5199	5.2	1.000	0.062	3.8	0.313	97	188	4.0	385	0.38	55.12	0.17
	A	0.29		22		9655	9.7	1.000	0.115	7.0	0.388	109	31	0.3	54	0.05	55.29	0.02
	A	0.20		22		9655	9.7	1.000	0.115	7.0	0.388	109	22	1.0	97	0.10	55.27	0.01
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04

	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 15-3 in the room:																	
	Δpdisp = 71252 Pa Δpgr = 3 Pa Δp = 71252 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 260.12 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06

	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	0.40		22		9655	9.7	1.000	0.115	7.1	0.393	102	41	1.5	157	0.16	77.58	0.04
	A	0.49		22		9655	9.7	1.000	0.115	7.1	0.393	102	50	0.3	73	0.07	77.54	0.07
	A	2.10		18		5199	5.2	1.000	0.062	3.8	0.317	90	189	3.5	366	0.37	77.47	0.35
	A	2.15		18		5199	5.2	1.000	0.062	3.8	0.317	90	195	0.3	210	0.21	77.12	0.47
	A	2.79		12		1733	1.7	1.000	0.021	1.3	0.271	125	348	1.0	384	0.38	76.64	1.27
	A	0.85		12		1733	1.7	1.000	0.021	1.3	0.270	125	106	2.3	190	0.19	75.37	0.27
	A	0.21		12		1733	1.7	1.000	0.021	1.3	0.270	125	27	511.1	18705	18.70	75.10	0.09
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.177 m³/h Δp = 18667 Pa															
	15-3		Φr = 1733 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1733	1.7	1.000	0.021	1.3	0.267	134	34	2.7	129	0.13	55.01	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 85 Pa															
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.267	134	20	0.3	31	0.03	54.95	0.03
	A	2.60		12		1733	1.7	1.000	0.021	1.3	0.267	134	349	3.5	474	0.47	54.92	0.65
	A	4.10		15		3466	3.5	1.000	0.041	2.5	0.316	128	526	4.3	742	0.74	55.23	0.63
	A	0.15		15		3466	3.5	1.000	0.041	2.5	0.316	129	19	1.5	94	0.09	54.60	0.02
	A	1.95		18		5199	5.2	1.000	0.062	3.8	0.313	97	188	4.0	385	0.38	55.12	0.17
	A	0.29		22		9655	9.7	1.000	0.115	7.0	0.388	109	31	0.3	54	0.05	55.29	0.02
	A	0.20		22		9655	9.7	1.000	0.115	7.0	0.388	109	22	1.0	97	0.10	55.27	0.01
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
			Riser/Plot: / Circulation by the receiver: 48-7 in the room:															
			Δpdisp = 71517 Pa Δpgr = 268 Pa Δp = 71517 Pa Δpover = 0 Pa ΔH = 2.89 m LCIR = 258.70 m															
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04

	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02		
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25		
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00		
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04		
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04		
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01		
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00		
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02		
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03		
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05		
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00		
	A	1.00	76	254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02		
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00		
	A	3.00	76	245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05		
	A	3.00	76	239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05		
	A	3.00	76	234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05		
	A	3.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05		
	A	1.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02		
	A	0.20	76	225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00		
	A	2.00	76	215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04		
	A	2.00	76	210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04		
	A	8.00	76	180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18		
	A	2.00	76	175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05		
	A	1.50	76	172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04		
	A	1.75	76	168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04		
	A	3.00	76	153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08		
	A	1.00	54	150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02		
	A	5.00	54	150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10		
	A	5.00	54	143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11		
	A	5.00	54	137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11		
	A	0.50	54	137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01		
	A	0.20	54	137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00		
	A	1.00	54	131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02		
	A	0.20	54	128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00		
	A	4.00	54	128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09		
	A	0.20	54	128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00		
	A	1.00	54	124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02		
	A	0.20	54	119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01		
	A	2.00	54	119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05		
	A	0.50	54	119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01		
	A	3.00	54	113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08		
	A	0.50	54	109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01		
	A	3.00	54	109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08		
	A	0.20	54	109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01		
	A	5.00	54	102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15		
	A	0.20	54	102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01		
	A	2.00	54	94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06		
	A	0.20	54	90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01		
	A	5.00	54	90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16		
	A	0.20	54	90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01		
	A	1.00	54	85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03		
	A	0.20	54	85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01		
	A	5.00	54	75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20		
	A	0.20	54	75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01		
	A	0.39	18	5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	77.38	0.06		
	A	0.42	18	5693	5.7	1.000	0.068	4.2	0.347	106	44	0.3	62	0.06	77.32	0.08		
	A	1.79	15	2475	2.5	1.000	0.030	1.8	0.229	66	118	5.5	262	0.26	77.23	0.52		
	A	0.37	15	2475	2.5	1.000	0.030	1.8	0.229	66	25	788.3	20636	20.64	76.71	0.15		
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.241 m³/h	Δp = 20603 Pa													
	48-7		Φr = 2475 W Aut. = Δp = 1000 Pa															
	A	0.25	15	2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	56.57	0.06		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 173 Pa													
	A	0.15	15	2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	56.51	0.02		
	A	1.92	15	2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	195	0.20	56.49	0.43		
	A	0.94	15	2475	2.5	1.000	0.030	1.8	0.226	71	67	4.0	169	0.17	56.05	0.15		
	A	0.42	18	5693	5.7	1.000	0.068	4.1	0.343	113	48	0.3	65	0.07	55.30	0.05		
	A	0.19	18	5693	5.7	1.000	0.068	4.1	0.343	113	22	1.0	81	0.08	55.25	0.02		
	A	0.20	54	75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00		
	A	5.00	54	75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10		
	A	0.20	54	85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00		
	A	1.00	54	85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02		
	A	0.20	54	90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00		
	A	5.00	54	90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08		
	A	0.20	54	90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00		
	A	2.00	54	94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03		
	A	0.20	54	102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00		
	A	5.00	54	102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08		
	A	0.20	54	109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00		
	A	3.00	54	109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04		
	A	0.29	54	109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00		

	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-11 in the room:																	
	Δpdisp = 71255 Pa Δpgr = 6 Pa Δp = 71255 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 265.37 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00

	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	0.39		18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	77.38	0.06
	A	0.42		18		5693	5.7	1.000	0.068	4.2	0.347	106	44	0.3	62	0.06	77.32	0.08
	A	2.10		15		3218	3.2	1.000	0.038	2.4	0.297	105	220	3.5	375	0.38	77.23	0.47
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	227	0.3	240	0.24	76.76	0.65
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	90	4.3	279	0.28	76.12	0.19
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	110	44	604.7	19113	19.11	75.93	0.20
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.163 m³/h		Δp = 18958 Pa												
	10-11					Φr = 1609 W	Aut. =		Δp = 1000 Pa									
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.248	118	29	2.7	112	0.11	55.74	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 73 Pa												
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	118	18	0.3	27	0.03	55.67	0.03
	A	4.10		12		1609	1.6	1.000	0.019	1.2	0.248	118	483	4.3	616	0.62	55.64	1.13
	A	0.15		12		1609	1.6	1.000	0.019	1.2	0.248	118	18	1.5	64	0.06	54.51	0.03
	A	1.95		15		3218	3.2	1.000	0.038	2.3	0.294	113	220	4.0	392	0.39	55.07	0.23
	A	0.42		18		5693	5.7	1.000	0.068	4.1	0.343	113	48	0.3	65	0.07	55.30	0.05
	A	0.19		18		5693	5.7	1.000	0.068	4.1	0.343	113	22	1.0	81	0.08	55.25	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02

	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-12 in the room:																	
	Δpdisp = 71256 Pa Δpgr = 7 Pa Δp = 71256 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 260.97 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	0.39		18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	77.38	0.06
	A	0.42		18		5693	5.7	1.000	0.068	4.2	0.347	106	44	0.3	62	0.06	77.32	0.08
	A	2.10		15		3218	3.2	1.000	0.038	2.4	0.297	105	220	3.5	375	0.38	77.23	0.47
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	227	0.3	240	0.24	76.76	0.65
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	90	4.3	279	0.28	76.12	0.19
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	110	49	626.5	19804	19.80	75.93	0.22
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.160 m³/h Δp = 19644 Pa															
	10-12		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	118	24	3.4	127	0.13	55.71	0.06

	RLV-S		dn = 15 mm	kv = 2.600	Δp = 73 Pa													
	A	1.95	15	3218	3.2	1.000	0.038	2.3	0.294	113	220	4.0	392	0.39	55.07	0.23
	A	0.42	18	5693	5.7	1.000	0.068	4.1	0.343	113	48	0.3	65	0.07	55.30	0.05
	A	0.19	18	5693	5.7	1.000	0.068	4.1	0.343	113	22	1.0	81	0.08	55.25	0.02
	A	0.20	54	75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00	54	75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20	54	85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00	54	85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20	54	90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00	54	90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20	54	90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00	54	94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20	54	102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00	54	102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20	54	109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00	54	109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29	54	109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00	54	113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29	54	119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00	54	119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20	54	119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00	54	124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20	54	128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00	54	128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20	54	128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00	54	131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20	54	137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50	54	137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00	54	137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00	54	143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00	54	150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46	54	150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00	76	153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55	76	168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50	76	172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00	76	175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00	76	180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00	76	210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00	76	215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20	76	225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00	76	225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00	76	225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00	76	234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00	76	239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00	76	245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20	76	254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00	76	254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20	76	254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00	76	263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00	76	268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50	76	274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20	76	283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00	76	283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00	76	291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20	76	328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00	76	328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05	76	328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm												
			kv = 79.000 m³/h	Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 51-2 in the room:															
	Δpdisp = 71523 Pa Δpgr = 275 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 279.15 m															
	GRANA 2				ΔpHS = 10000 Pa													
	A	2.95	76	328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00	76	254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00	76	245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00	76	239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05

	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	77.10	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	77.05	0.07
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	76.98	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	149	0.3	160	0.16	76.79	0.55
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.24	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	825.0	17490	17.49	76.08	0.17
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.236 m³/h			Δp = 17394 Pa											
	51-2								Φr = 2228 W	Aut. =		Δp = 1000 Pa						
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	55.91	0.06
	RLV-S		dn = 15 mm	kv = 2.600			Δp = 140 Pa											
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	0.3	15	0.02	55.85	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.203	59	244	5.0	347	0.35	55.82	1.00
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	55.32	0.11
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	55.02	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.99	0.01
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06

	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 51-1 in the room:																	
	Δpdisp = 71524 Pa Δpgr = 275 Pa Δp = 71524 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 275.05 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01

	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	77.10	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	77.05	0.07
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	76.98	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	149	0.3	160	0.16	76.79	0.55
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	76.24	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	840.3	17815	17.82	76.08	0.19
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.234 m³/h		Δp = 17716 Pa												
	51-1								Φr = 2228 W	Aut. =		Δp = 1000 Pa						
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	55.89	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 140 Pa												
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.204	59	9	1.5	40	0.04	55.84	0.03
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	55.32	0.11
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	55.02	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.99	0.01
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02

	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 15-4 in the room:																	
	Δpdisp = 71261 Pa Δpgr = 12 Pa Δp = 71261 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 281.24 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	77.10	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	77.05	0.07
	A	2.05		15		3466	3.5	1.000	0.041	2.6	0.320	120	245	3.5	425	0.42	76.98	0.42
	A	2.15		15		3466	3.5	1.000	0.041	2.5	0.320	120	258	0.3	274	0.27	76.56	0.60
	A	0.85		15		3466	3.5	1.000	0.041	2.5	0.320	120	102	4.3	322	0.32	75.96	0.17
	A	0.40		12		1733	1.7	1.000	0.021	1.3	0.270	125	50	440.0	16143	16.14	75.79	0.18
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.191 m³/h Δp = 15965 Pa															
	15-4		Φr = 1733 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1733	1.7	1.000	0.021	1.3	0.268	134	33	2.7	129	0.13	55.61	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 85 Pa												
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.267	134	20	0.3	31	0.03	55.55	0.03
	A	4.10		12		1733	1.7	1.000	0.021	1.3	0.267	134	550	4.3	704	0.70	55.52	1.05
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.267	134	20	1.5	74	0.07	54.47	0.03
	A	1.90		15		3466	3.5	1.000	0.041	2.5	0.316	128	244	4.0	444	0.44	54.99	0.21
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	55.02	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.99	0.01
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12

	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 15-5 in the room:																	
	Δpdisp = 71262 Pa Δpgr = 13 Pa Δp = 71262 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 276.84 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02

	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	77.10	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	77.05	0.07
	A	2.05		15		3466	3.5	1.000	0.041	2.6	0.320	120	245	3.5	425	0.42	76.98	0.42
	A	2.15		15		3466	3.5	1.000	0.041	2.5	0.320	120	258	0.3	274	0.27	76.56	0.60
	A	0.85		15		3466	3.5	1.000	0.041	2.5	0.320	120	102	4.3	322	0.32	75.96	0.17
	A	0.45		12		1733	1.7	1.000	0.021	1.3	0.270	125	56	461.5	16933	16.93	75.79	0.20
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.187 m³/h				Δp = 16749 Pa										
	15-5								Φr = 1733 W	Aut. =		Δp = 1000 Pa						
	A	0.20		12		1733	1.7	1.000	0.021	1.3	0.268	134	27	3.4	147	0.15	55.59	0.05
	RLV-S		dn = 15 mm	kv = 2.600				Δp = 85 Pa										
	A	1.90		15		3466	3.5	1.000	0.041	2.5	0.316	128	244	4.0	444	0.44	54.99	0.21
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	55.02	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.99	0.01
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02

	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 48-8 in the room:																	
	Δpdisp = 71517 Pa Δpgr = 268 Pa Δp = 71517 Pa Δpover = 0 Pa ΔH = 2.89 m LCIR = 285.53 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16

	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	0.39		18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	76.90	0.06
	A	0.42		18		5693	5.7	1.000	0.068	4.2	0.347	106	44	0.3	62	0.06	76.84	0.08
	A	1.79		15		2475	2.5	1.000	0.030	1.8	0.229	66	119	5.5	262	0.26	76.75	0.51
	A	0.37		15		2475	2.5	1.000	0.030	1.8	0.229	66	25	631.3	16521	16.52	76.24	0.14
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.269 m³/h		Δp = 16489 Pa											
	48-8						Φr = 2475 W		Aut. =		Δp = 1000 Pa							
	A	0.25		15		2475	2.5	1.000	0.030	1.8	0.226	71	18	7.1	198	0.20	56.10	0.06
	RLV-S		dn = 15 mm		kv = 2.600		Δp = 173 Pa											
	A	0.15		15		2475	2.5	1.000	0.030	1.8	0.226	71	11	0.3	18	0.02	56.04	0.02
	A	1.92		15		2475	2.5	1.000	0.030	1.8	0.226	71	136	2.3	195	0.20	56.02	0.43
	A	0.94		15		2475	2.5	1.000	0.030	1.8	0.226	71	67	4.0	169	0.17	55.59	0.15
	A	0.42		18		5693	5.7	1.000	0.068	4.1	0.343	114	48	0.3	65	0.07	54.84	0.05
	A	0.19		18		5693	5.7	1.000	0.068	4.1	0.343	114	22	1.0	81	0.08	54.80	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													

Riser/Plot: / Circulation by the receiver: 10-14 in the room:																		
Δpdisp = 71256 Pa Δpgr = 8 Pa Δp = 71256 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 292.21 m																		
GRANA 2													ΔpHS = 10000 Pa					
A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
FILTER			dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
BALL VALVE F			dn = 65 mm		kv = 488.696			Δp = 88 Pa										
A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
A	3.00			76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
A	3.00			76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
A	3.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
A	1.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
A	0.20			76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
A	2.00			76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
A	2.00			76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
A	8.00			76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
A	2.00			76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
A	1.50			76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
A	1.75			76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
A	3.00			76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
A	1.00			54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
A	5.00			54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
A	5.00			54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
A	5.00			54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
A	0.50			54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
A	0.20			54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
A	1.00			54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
A	0.20			54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
A	4.00			54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
A	0.20			54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
A	1.00			54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
A	0.20			54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
A	2.00			54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
A	0.50			54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
A	3.00			54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
A	0.50			54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
A	3.00			54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
A	0.20			54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
A	5.00			54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
A	0.20			54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
A	2.00			54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
A	0.20			54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
A	5.00			54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
A	0.20			54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
A	1.00			54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
A	0.20			54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
A	5.00			54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
A	0.20			54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
A	1.00			42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
A	7.00			42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
A	5.00			42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
A	0.42			42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
A	0.39			18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	76.90	0.06
A	0.42			18		5693	5.7	1.000	0.068	4.2	0.347	106	44	0.3	62	0.06	76.84	0.08
A	2.10			15		3218	3.2	1.000	0.038	2.4	0.297	105	221	3.5	375	0.38	76.75	0.46
A	2.15			15		3218	3.2	1.000	0.038	2.4	0.297	105	227	0.3	240	0.24	76.29	0.64
A	0.85			15		3218	3.2	1.000	0.038	2.4	0.297	105	90	4.3	279	0.28	75.65	0.18
A	0.40			12		1609	1.6	1.000	0.019	1.2	0.251	110	44	474.5	14998	15.00	75.47	0.19
RA-DV S			Preset: 6		dn = 15 mm													
			Q = m³/h		kv = 0.184 m³/h			Δp = 14844 Pa										
10-14								Φr = 1609 W Aut. =				Δp = 1000 Pa						
A	0.25			12		1609	1.6	1.000	0.019	1.2	0.248	118	29	2.7	112	0.11	55.27	0.07
RLV-S			dn = 15 mm		kv = 2.600			Δp = 73 Pa										
A	0.15			12		1609	1.6	1.000	0.019	1.2	0.248	118	18	0.3	27	0.03	55.21	0.03
A	4.10			12		1609	1.6	1.000	0.019	1.2	0.248	118	484	4.3	617	0.62	55.18	1.11
A	0.15			12		1609	1.6	1.000	0.019	1.2	0.248	118	18	1.5	64	0.06	54.06	0.03
A	1.95			15		3218	3.2	1.000	0.038	2.3	0.294	113	220	4.0	393	0.39	54.62	0.23
A	0.42			18		5693	5.7	1.000	0.068	4.1	0.343	114	48	0.3	65	0.07	54.84	0.05
A	0.19			18		5693	5.7	1.000	0.068	4.1	0.343	114	22	1.0	81	0.08	54.80	0.02
A	0.42			42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01

	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 10-13 in the room:																	
	Δpdisp = 71257 Pa Δpgr = 8 Pa Δp = 71257 Pa Δpover = 0 Pa ΔH = -0.15 m LCIR = 287.81 m																	
	GRANA 2									ΔpHS = 10000 Pa								
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05

	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	0.39		18		5693	5.7	1.000	0.068	4.2	0.347	106	42	1.5	132	0.13	76.90	0.06
	A	0.42		18		5693	5.7	1.000	0.068	4.2	0.347	106	44	0.3	62	0.06	76.84	0.08
	A	2.10		15		3218	3.2	1.000	0.038	2.4	0.297	105	221	3.5	375	0.38	76.75	0.46
	A	2.15		15		3218	3.2	1.000	0.038	2.4	0.297	105	227	0.3	240	0.24	76.29	0.64
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	90	4.3	279	0.28	75.65	0.18
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	110	49	496.3	15691	15.69	75.47	0.22
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.180 m³/h			Δp = 15531 Pa											
	10-13						Φr = 1609 W Aut. =					Δp = 1000 Pa						
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	118	24	3.4	127	0.13	55.25	0.06
	RLV-S		dn = 15 mm	kv = 2.600			Δp = 73 Pa											
	A	1.95		15		3218	3.2	1.000	0.038	2.3	0.294	113	220	4.0	393	0.39	54.62	0.23
	A	0.42		18		5693	5.7	1.000	0.068	4.1	0.343	114	48	0.3	65	0.07	54.84	0.05
	A	0.19		18		5693	5.7	1.000	0.068	4.1	0.343	114	22	1.0	81	0.08	54.80	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01

	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 51-4 in the room:																	
	Δpdisp = 71523 Pa Δpgr = 275 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 292.39 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08

	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	76.85	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	76.79	0.07
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	76.73	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	149	0.3	160	0.16	76.53	0.54
	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	75.99	0.16
	A	0.40		15		2228	2.2	1.000	0.027	1.6	0.206	55	22	743.2	15754	15.75	75.83	0.17
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.248 m³/h Δp = 15657 Pa															
	51-4		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2228	2.2	1.000	0.027	1.6	0.204	59	15	7.1	161	0.16	55.66	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.203	59	9	0.3	15	0.02	55.60	0.03
	A	4.10		15		2228	2.2	1.000	0.027	1.6	0.203	59	244	5.0	347	0.35	55.57	0.99
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	55.07	0.10
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	54.78	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.74	0.01
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02

	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 51-3 in the room:																	
	Δpdisp = 71523 Pa Δpgr = 275 Pa Δp = 71523 Pa Δpover = 0 Pa ΔH = 2.95 m LCIR = 288.29 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	76.85	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	76.79	0.07
	A	1.00		18		4456	4.5	1.000	0.053	3.3	0.272	69	69	3.5	198	0.20	76.73	0.19
	A	2.15		18		4456	4.5	1.000	0.053	3.3	0.272	69	149	0.3	160	0.16	76.53	0.54

	A	0.85		18		4456	4.5	1.000	0.053	3.3	0.272	69	59	4.3	217	0.22	75.99	0.16
	A	0.45		15		2228	2.2	1.000	0.027	1.6	0.206	55	25	758.5	16079	16.08	75.83	0.19
	RA-DV S		Preset: 7 dn = 15 mm															
			Q = m³/h kv = 0.246 m³/h Δp = 15980 Pa															
	51-3		Φr = 2228 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2228	2.2	1.000	0.027	1.6	0.204	59	12	7.1	158	0.16	55.64	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 140 Pa															
	A	0.15		15		2228	2.2	1.000	0.027	1.6	0.203	59	9	1.5	40	0.04	55.59	0.03
	A	1.00		18		4456	4.5	1.000	0.053	3.2	0.269	74	74	4.0	218	0.22	55.07	0.10
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	54.78	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.74	0.01
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 15-7 in the room:																	
	Δpdisp = 71262 Pa Δpgr = 13 Pa Δp = 71262 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 294.48 m																	
	GRANA 2		ΔpHS = 10000 Pa															
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25

	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	76.85	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	76.79	0.07
	A	2.05		15		3466	3.5	1.000	0.041	2.6	0.320	120	245	3.5	425	0.42	76.73	0.42
	A	2.15		15		3466	3.5	1.000	0.041	2.5	0.320	120	259	0.3	274	0.27	76.31	0.59
	A	0.85		15		3466	3.5	1.000	0.041	2.5	0.320	120	102	4.3	322	0.32	75.71	0.17
	A	0.40		12		1733	1.7	1.000	0.021	1.3	0.270	125	50	392.7	14407	14.41	75.54	0.18
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.203 m³/h		Δp = 14229 Pa												
	15-7		Φr = 1733 W Aut. = Δp = 1000 Pa															
	A	0.25		12		1733	1.7	1.000	0.021	1.3	0.267	134	33	2.7	129	0.13	55.36	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 85 Pa												
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.267	134	20	0.3	31	0.03	55.30	0.03
	A	4.10		12		1733	1.7	1.000	0.021	1.3	0.267	134	550	4.3	704	0.70	55.27	1.04
	A	0.15		12		1733	1.7	1.000	0.021	1.3	0.267	135	20	1.5	74	0.07	54.23	0.03
	A	1.90		15		3466	3.5	1.000	0.041	2.5	0.316	129	244	4.0	444	0.44	54.75	0.21
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	54.78	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.74	0.01
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00

	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 15-6 in the room:																	
	Δpdisp = 71262 Pa Δpgr = 14 Pa Δp = 71262 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 290.08 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18

	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	1.5	107	0.11	76.85	0.05
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.322	72	29	0.3	44	0.04	76.79	0.07
	A	2.05		15		3466	3.5	1.000	0.041	2.6	0.320	120	245	3.5	425	0.42	76.73	0.42
	A	2.15		15		3466	3.5	1.000	0.041	2.5	0.320	120	259	0.3	274	0.27	76.31	0.59
	A	0.85		15		3466	3.5	1.000	0.041	2.5	0.320	120	102	4.3	322	0.32	75.71	0.17
	A	0.45		12		1733	1.7	1.000	0.021	1.3	0.270	125	56	414.1	15198	15.20	75.54	0.20
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.197 m³/h		Δp = 15013 Pa												
	15-6					Φr = 1733 W Aut. =							Δp = 1000 Pa					
	A	0.20		12		1733	1.7	1.000	0.021	1.3	0.267	134	27	3.4	147	0.15	55.34	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 85 Pa												
	A	1.90		15		3466	3.5	1.000	0.041	2.5	0.316	129	244	4.0	444	0.44	54.75	0.21
	A	0.40		22		7922	7.9	1.000	0.095	5.8	0.318	77	31	0.3	46	0.05	54.78	0.04
	A	0.20		22		7922	7.9	1.000	0.095	5.8	0.318	77	15	1.0	66	0.07	54.74	0.01
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05

	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															

Riser/Plot: / Circulation by the receiver: 16-2 in the room:

Δpdisp = 71263 Pa Δpgr = 15 Pa Δp = 71263 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 297.68 m

	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15

	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	2.45		18		4622	4.6	1.000	0.055	3.4	0.282	74	180	1.5	240	0.24	76.75	0.45
	A	2.15		18		4622	4.6	1.000	0.055	3.4	0.282	74	159	0.3	171	0.17	76.30	0.52
	A	0.85		18		4622	4.6	1.000	0.055	3.4	0.282	74	63	4.3	233	0.23	75.78	0.15
	A	0.40		15		2311	2.3	1.000	0.028	1.7	0.213	59	24	668.6	15245	15.24	75.62	0.16
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.262 m³/h			Δp = 15141 Pa										
	16-2								Φr = 2311 W		Aut. =		Δp = 1000 Pa					
	A	0.25		15		2311	2.3	1.000	0.028	1.7	0.211	63	16	7.1	173	0.17	55.46	0.06
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 150 Pa										
	A	0.15		15		2311	2.3	1.000	0.028	1.7	0.211	63	9	0.3	16	0.02	55.40	0.03
	A	4.10		15		2311	2.3	1.000	0.028	1.7	0.211	63	260	4.3	356	0.36	55.37	0.95
	A	0.15		15		2311	2.3	1.000	0.028	1.7	0.211	64	10	1.5	43	0.04	54.43	0.02
	A	2.10		18		4622	4.6	1.000	0.055	3.4	0.279	79	165	1.0	204	0.20	54.90	0.21
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00

	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 16-1 in the room:																	
	Δpdisp = 71264 Pa Δpgr = 15 Pa Δp = 71264 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 293.28 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	2.45		18		4622	4.6	1.000	0.055	3.4	0.282	74	180	1.5	240	0.24	76.75	0.45
	A	2.15		18		4622	4.6	1.000	0.055	3.4	0.282	74	159	0.3	171	0.17	76.30	0.52
	A	0.85		18		4622	4.6	1.000	0.055	3.4	0.282	74	63	4.3	233	0.23	75.78	0.15
	A	0.45		15		2311	2.3	1.000	0.028	1.7	0.213	59	27	686.1	15648	15.65	75.62	0.18
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.259 m³/h Δp = 15541 Pa															

	16-1			Φr = 2311 W Aut. = Δp = 1000 Pa														
	A	0.20		15		2311	2.3	1.000	0.028	1.7	0.211	63	13	7.8	185	0.19	55.44	0.05
	RLV-S			dn = 15 mm		kv = 2.600		Δp = 150 Pa										
	A	2.10		18		4622	4.6	1.000	0.055	3.4	0.279	79	165	1.0	204	0.20	54.90	0.21
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16			Preset: 8 dn = 65 mm														
				kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 16-3 in the room:																	
	Δpdisp = 71260 Pa Δpgr = 11 Pa Δp = 71260 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 300.63 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER			dn = 65 mm		kv = 63.090		Δp = 5307 Pa										
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 88 Pa										
	BALL VALVE F			dn = 65 mm		kv = 488.696		Δp = 88 Pa										
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02

	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	2.45		22		9654	9.7	1.000	0.115	7.1	0.392	102	251	1.5	366	0.37	76.61	0.26
	A	2.00		22		9654	9.7	1.000	0.115	7.1	0.392	103	205	0.3	228	0.23	76.35	0.28
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	90	5.5	332	0.33	76.07	0.19
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	110	44	430.5	13618	13.62	75.89	0.20
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.194 m³/h		Δp = 13464 Pa												
	16-3					Φr = 1609 W Aut. =			Δp = 1000 Pa									
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.248	118	29	2.7	112	0.11	55.69	0.07
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 73 Pa												
	A	0.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	42	3.0	134	0.13	55.62	0.07
	A	0.80		22		9654	9.7	1.000	0.115	7.0	0.388	109	87	0.3	110	0.11	54.49	0.06
	A	2.45		22		9654	9.7	1.000	0.115	7.0	0.388	109	268	1.0	343	0.34	54.43	0.14
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08

	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 16-4 in the room:																	
	Δpdisp = 71260 Pa Δpgr = 11 Pa Δp = 71260 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 302.63 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11

	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	2.45		22		9654	9.7	1.000	0.115	7.1	0.392	102	251	1.5	366	0.37	76.61	0.26
	A	2.00		22		9654	9.7	1.000	0.115	7.1	0.392	103	205	0.3	228	0.23	76.35	0.28
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	90	5.5	332	0.33	76.07	0.19
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	110	49	424.7	13439	13.44	75.89	0.22
	RA-DV S		Preset: 6 dn = 15 mm															
			Q = m³/h kv = 0.195 m³/h Δp = 13280 Pa															
	16-4		Φr = 1609 W Aut. = Δp = 1000 Pa															
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	118	24	2.7	106	0.11	55.67	0.06
	RLV-S		dn = 15 mm kv = 2.600 Δp = 73 Pa															
	A	0.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	42	3.0	134	0.13	55.61	0.07
	A	2.00		22		8045	8.0	1.000	0.096	5.8	0.323	79	158	0.5	184	0.18	54.46	0.18
	A	0.80		22		9654	9.7	1.000	0.115	7.0	0.388	109	87	0.3	110	0.11	54.49	0.06
	A	2.45		22		9654	9.7	1.000	0.115	7.0	0.388	109	268	1.0	343	0.34	54.43	0.14
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02

	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 16-6 in the room:																	
	Δpdisp = 71260 Pa Δpgr = 11 Pa Δp = 71260 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 308.24 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16

	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	2.45		22		9654	9.7	1.000	0.115	7.1	0.392	102	251	1.5	366	0.37	76.61	0.26
	A	2.00		22		9654	9.7	1.000	0.115	7.1	0.392	103	205	0.3	228	0.23	76.35	0.28
	A	2.00		18		6436	6.4	1.000	0.077	4.7	0.392	132	265	1.0	342	0.34	76.07	0.35
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	90	5.5	332	0.33	75.72	0.18
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	110	44	397.1	12560	12.56	75.54	0.19
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.202 m³/h			Δp = 12406 Pa											
	16-6								Φr = 1609 W	Aut. =		Δp = 1000 Pa						
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.248	118	29	2.7	112	0.11	55.35	0.07
	RLV-S		dn = 15 mm	kv = 2.600			Δp = 73 Pa											
	A	0.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	42	3.0	134	0.13	55.28	0.07
	A	2.00		18		4827	4.8	1.000	0.058	3.5	0.291	85	170	0.5	192	0.19	54.31	0.25
	A	1.60		18		6436	6.4	1.000	0.077	4.7	0.388	141	227	1.5	339	0.34	54.34	0.15
	A	2.00		22		8045	8.0	1.000	0.096	5.8	0.323	79	158	0.5	184	0.18	54.46	0.18
	A	0.80		22		9654	9.7	1.000	0.115	7.0	0.388	109	87	0.3	110	0.11	54.49	0.06
	A	2.45		22		9654	9.7	1.000	0.115	7.0	0.388	109	268	1.0	343	0.34	54.43	0.14
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01

	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 16-5 in the room:																	
	Δpdisp = 71260 Pa Δpgr = 11 Pa Δp = 71260 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 306.24 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	2.45		22		9654	9.7	1.000	0.115	7.1	0.392	102	251	1.5	366	0.37	76.61	0.26
	A	2.00		22		9654	9.7	1.000	0.115	7.1	0.392	103	205	0.3	228	0.23	76.35	0.28
	A	2.00		18		6436	6.4	1.000	0.077	4.7	0.392	132	265	1.0	342	0.34	76.07	0.35
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	105	90	5.5	332	0.33	75.72	0.18

	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	110	49	403.2	12758	12.76	75.54	0.22
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.200 m³/h		Δp = 12598 Pa												
	16-5		Φr = 1609 W Aut. =			Δp = 1000 Pa												
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	118	24	2.7	106	0.11	55.32	0.06
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 73 Pa												
	A	0.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	42	3.0	134	0.13	55.27	0.07
	A	1.60		18		6436	6.4	1.000	0.077	4.7	0.388	141	227	1.5	339	0.34	54.34	0.15
	A	2.00		22		8045	8.0	1.000	0.096	5.8	0.323	79	158	0.5	184	0.18	54.46	0.18
	A	0.80		22		9654	9.7	1.000	0.115	7.0	0.388	109	87	0.3	110	0.11	54.49	0.06
	A	2.45		22		9654	9.7	1.000	0.115	7.0	0.388	109	268	1.0	343	0.34	54.43	0.14
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h			Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 16-7 in the room:																	
	Δpdisp = 71260 Pa Δpgr = 11 Pa Δp = 71260 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 312.53 m																	
	GRANA 2					ΔpHS = 10000 Pa												
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												

	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	2.45		22		9654	9.7	1.000	0.115	7.1	0.392	102	251	1.5	366	0.37	76.61	0.26
	A	2.00		22		9654	9.7	1.000	0.115	7.1	0.392	103	205	0.3	228	0.23	76.35	0.28
	A	2.00		18		6436	6.4	1.000	0.077	4.7	0.392	132	265	1.0	342	0.34	76.07	0.35
	A	3.00		15		3218	3.2	1.000	0.038	2.4	0.297	105	316	1.0	361	0.36	75.72	0.88
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	106	90	4.3	279	0.28	74.85	0.18
	A	0.40		12		1609	1.6	1.000	0.019	1.2	0.251	110	44	381.1	12041	12.04	74.67	0.19
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.206 m³/h	Δp = 11887 Pa													
	16-7								Φr = 1609 W	Aut. =	Δp = 1000 Pa							
	A	0.25		12		1609	1.6	1.000	0.019	1.2	0.248	118	30	2.7	112	0.11	54.48	0.07
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 73 Pa													
	A	0.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	42	3.0	134	0.13	54.41	0.07
	A	1.30		15		3218	3.2	1.000	0.038	2.3	0.294	113	147	1.5	211	0.21	54.07	0.21
	A	2.00		18		4827	4.8	1.000	0.058	3.5	0.291	85	170	0.5	192	0.19	54.31	0.25
	A	1.60		18		6436	6.4	1.000	0.077	4.7	0.388	141	227	1.5	339	0.34	54.34	0.15
	A	2.00		22		8045	8.0	1.000	0.096	5.8	0.323	79	158	0.5	184	0.18	54.46	0.18
	A	0.80		22		9654	9.7	1.000	0.115	7.0	0.388	109	87	0.3	110	0.11	54.49	0.06
	A	2.45		22		9654	9.7	1.000	0.115	7.0	0.388	109	268	1.0	343	0.34	54.43	0.14
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02

	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 16-8 in the room:																	
	Δpdisp = 71260 Pa Δpgr = 11 Pa Δp = 71260 Pa Δpover = 0 Pa ΔH = -0.10 m LCIR = 314.53 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05

	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	2.45		22		9654	9.7	1.000	0.115	7.1	0.392	102	251	1.5	366	0.37	76.61	0.26
	A	2.00		22		9654	9.7	1.000	0.115	7.1	0.392	103	205	0.3	228	0.23	76.35	0.28
	A	2.00		18		6436	6.4	1.000	0.077	4.7	0.392	132	265	1.0	342	0.34	76.07	0.35
	A	3.00		15		3218	3.2	1.000	0.038	2.4	0.297	105	316	1.0	361	0.36	75.72	0.88
	A	0.85		15		3218	3.2	1.000	0.038	2.4	0.297	106	90	4.3	279	0.28	74.85	0.18
	A	0.45		12		1609	1.6	1.000	0.019	1.2	0.251	110	50	372.8	11786	11.79	74.67	0.21
	RA-DV S		Preset: 6	dn = 15 mm														
			Q = m³/h	kv = 0.208 m³/h			Δp = 11626 Pa											
	16-8								Φr = 1609 W	Aut. =	Δp = 1000 Pa							
	A	0.20		12		1609	1.6	1.000	0.019	1.2	0.248	118	24	2.7	106	0.11	54.45	0.05
	RLV-S		dn = 15 mm	kv = 2.600			Δp = 73 Pa											
	A	0.35		12		1609	1.6	1.000	0.019	1.2	0.248	118	42	2.3	113	0.11	54.40	0.07
	A	2.00		12		1609	1.6	1.000	0.019	1.2	0.248	118	237	1.5	283	0.28	54.33	0.53
	A	1.30		15		3218	3.2	1.000	0.038	2.3	0.294	113	147	1.5	211	0.21	54.07	0.21
	A	2.00		18		4827	4.8	1.000	0.058	3.5	0.291	85	170	0.5	192	0.19	54.31	0.25
	A	1.60		18		6436	6.4	1.000	0.077	4.7	0.388	141	227	1.5	339	0.34	54.34	0.15
	A	2.00		22		8045	8.0	1.000	0.096	5.8	0.323	79	158	0.5	184	0.18	54.46	0.18
	A	0.80		22		9654	9.7	1.000	0.115	7.0	0.388	109	87	0.3	110	0.11	54.49	0.06
	A	2.45		22		9654	9.7	1.000	0.115	7.0	0.388	109	268	1.0	343	0.34	54.43	0.14
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08

	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 18-1 in the room:																	
	Δpdisp = 71275 Pa Δpgr = 26 Pa Δp = 71275 Pa Δpover = 0 Pa ΔH = -0.06 m LCIR = 303.53 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11

	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.56		15		2844	2.8	1.000	0.034	2.1	0.263	85	132	3.5	252	0.25	76.43	0.39
	A	0.37		15		2844	2.8	1.000	0.034	2.1	0.263	85	32	391.5	13537	13.54	76.05	0.13
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.342 m³/h		Δp = 13495 Pa												
	18-1								Φr = 2844 W	Aut. =		Δp = 1000 Pa						
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	91	23	7.1	261	0.26	55.92	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 228 Pa												
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	14	0.3	24	0.02	55.87	0.02
	A	1.92		15		2844	2.8	1.000	0.034	2.1	0.260	91	174	2.3	251	0.25	55.85	0.37
	A	2.20		15		2844	2.8	1.000	0.034	2.1	0.260	91	200	1.0	233	0.23	55.48	0.30
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02

	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
Riser/Plot: / Circulation by the receiver: 17-2 in the room:																		
Δpdisp = 71280 Pa Δpgr = 31 Pa Δp = 71280 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 305.88 m																		
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090			Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm	kv = 488.696			Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm	kv = 488.696			Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01

	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	1.50		18		5688	5.7	1.000	0.068	4.2	0.347	106	159	5.5	490	0.49	76.37	0.22
	A	0.45		15		2844	2.8	1.000	0.034	2.1	0.263	85	38	366.5	12682	12.68	76.15	0.15
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.355 m³/h			Δp = 12523 Pa										
	17-2							Φr = 2844 W		Aut. =		Δp = 1000 Pa						
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	90	18	7.1	256	0.26	56.00	0.04
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 228 Pa										
	A	0.35		15		2844	2.8	1.000	0.034	2.1	0.260	91	32	2.3	110	0.11	55.96	0.05
	A	1.95		15		2844	2.8	1.000	0.034	2.1	0.260	91	176	4.0	311	0.31	55.91	0.38
	A	2.35		18		5688	5.7	1.000	0.068	4.1	0.343	113	266	3.0	442	0.44	55.51	0.19
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02

	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h			Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 17-1 in the room:																	
	Δpdisp = 71280 Pa Δpgr = 31 Pa Δp = 71280 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 306.08 m																	
	GRANA 2											ΔpHS = 10000 Pa						
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa											
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	1.50		18		5688	5.7	1.000	0.068	4.2	0.347	106	159	5.5	490	0.49	76.37	0.22
	A	0.40		15		2844	2.8	1.000	0.034	2.1	0.263	85	34	365.9	12659	12.66	76.15	0.13
	RA-DV S		Preset: N		dn = 15 mm													
			Q = m³/h		kv = 0.355 m³/h		Δp = 12504 Pa											
	17-1		Φr = 2844 W Aut. = Δp = 1000 Pa															

	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	90	23	7.1	261	0.26	56.01	0.05
	RLV-S		dn = 15 mm		kv = 2.600			Δp = 228 Pa										
	A	0.35		15		2844	2.8	1.000	0.034	2.1	0.260	91	32	2.3	110	0.11	55.96	0.05
	A	2.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	195	4.0	330	0.33	55.91	0.42
	A	2.35		18		5688	5.7	1.000	0.068	4.1	0.343	113	266	3.0	442	0.44	55.51	0.19
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm													
			kv = 79.000 m³/h		Δp = 3293 Pa													
	Riser/Plot: / Circulation by the receiver: 17-4 in the room:																	
	Δpdisp = 71280 Pa Δpgr = 31 Pa Δp = 71280 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 312.88 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090			Δp = 5307 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	BALL VALVE F		dn = 65 mm		kv = 488.696			Δp = 88 Pa										
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04

	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	1.50		18		5688	5.7	1.000	0.068	4.2	0.347	106	159	5.5	490	0.49	76.10	0.22
	A	0.40		15		2844	2.8	1.000	0.034	2.1	0.263	85	34	353.0	12209	12.21	75.87	0.13
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.361 m³/h Δp = 12054 Pa															
	17-4		Φr = 2844 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	91	23	7.1	261	0.26	55.74	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 228 Pa															
	A	0.35		15		2844	2.8	1.000	0.034	2.1	0.260	91	32	2.3	110	0.11	55.69	0.05
	A	1.95		15		2844	2.8	1.000	0.034	2.1	0.260	91	177	4.0	312	0.31	55.64	0.37
	A	2.35		18		5688	5.7	1.000	0.068	4.1	0.343	113	266	3.0	443	0.44	55.25	0.19
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10

	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h	Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 17-3 in the room:																	
	Δpdisp = 71280 Pa Δpgr = 31 Pa Δp = 71280 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 313.08 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm	kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm	kv = 488.696		Δp = 88 Pa												
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04

	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	1.50		18		5688	5.7	1.000	0.068	4.2	0.347	106	159	5.5	490	0.49	76.10	0.22
	A	0.45		15		2844	2.8	1.000	0.034	2.1	0.263	85	38	352.5	12196	12.20	75.87	0.15
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.362 m³/h		Δp = 12037 Pa												
	17-3								Φr = 2844 W		Aut. =		Δp = 1000 Pa					
	A	0.20		15		2844	2.8	1.000	0.034	2.1	0.260	91	18	7.1	256	0.26	55.72	0.04
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 228 Pa												
	A	0.35		15		2844	2.8	1.000	0.034	2.1	0.260	91	32	2.3	110	0.11	55.69	0.05
	A	2.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	195	4.0	330	0.33	55.64	0.41
	A	2.35		18		5688	5.7	1.000	0.068	4.1	0.343	113	266	3.0	443	0.44	55.25	0.19
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00

	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 20-1 in the room:																	
	Δpdisp = 71281 Pa Δpgr = 32 Pa Δp = 71281 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 328.88 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01

	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	8.00		28		19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66
	A	1.50		18		5332	5.3	1.000	0.064	3.9	0.325	95	142	5.5	433	0.43	75.44	0.23
	A	0.40		15		2666	2.7	1.000	0.032	2.0	0.246	76	30	343.9	10444	10.44	75.20	0.14
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.366 m³/h Δp = 10308 Pa															
	20-1		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.25		15		2666	2.7	1.000	0.032	1.9	0.243	81	20	7.1	229	0.23	55.06	0.05
	RLV-S		dn = 15 mm kv = 2.600 Δp = 200 Pa															
	A	0.35		15		2666	2.7	1.000	0.032	1.9	0.243	81	29	2.3	97	0.10	55.01	0.05
	A	1.95		15		2666	2.7	1.000	0.032	1.9	0.243	81	159	4.0	277	0.28	54.96	0.39
	A	2.35		18		5332	5.3	1.000	0.064	3.9	0.321	101	238	3.0	393	0.39	54.55	0.20
	A	8.00		28		19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02

	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 20-2 in the room:																	
	Δpdisp = 71281 Pa Δpgr = 32 Pa Δp = 71281 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 329.08 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20

	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	8.00		28		19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66
	A	1.50		18		5332	5.3	1.000	0.064	3.9	0.325	95	142	5.5	433	0.43	75.44	0.23
	A	0.45		15		2666	2.7	1.000	0.032	2.0	0.246	76	34	343.4	10433	10.43	75.20	0.16
	RA-DV S		Preset: N dn = 15 mm															
			Q = m³/h kv = 0.367 m³/h Δp = 10293 Pa															
	20-2		Φr = 2666 W Aut. = Δp = 1000 Pa															
	A	0.20		15		2666	2.7	1.000	0.032	1.9	0.243	81	16	7.1	225	0.23	55.05	0.04
	RLV-S		dn = 15 mm kv = 2.600 Δp = 200 Pa															
	A	0.35		15		2666	2.7	1.000	0.032	1.9	0.243	81	29	2.3	97	0.10	55.01	0.05
	A	2.15		15		2666	2.7	1.000	0.032	1.9	0.243	81	175	4.0	293	0.29	54.96	0.43
	A	2.35		18		5332	5.3	1.000	0.064	3.9	0.321	101	238	3.0	393	0.39	54.55	0.20
	A	8.00		28		19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01

	A	3.00			76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00			76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20			76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00			76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05			76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8		dn = 65 mm														
			kv = 79.000 m³/h		Δp = 3293 Pa														
	Riser/Plot: / Circulation by the receiver: 21-1 in the room:																		
	Δpdisp = 71278 Pa Δpgr = 29 Pa Δp = 71278 Pa Δpover = 0 Pa ΔH = -0.06 m LCIR = 336.54 m																		
	GRANA 2							ΔpHS = 10000 Pa											
	A	2.95			76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm		kv = 63.090		Δp = 5307 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa												
	BALL VALVE F		dn = 65 mm		kv = 488.696		Δp = 88 Pa												
	A	1.50			76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00			76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20			76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00			76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00			76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20			76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50			76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00			76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00			76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00			76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20			76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00			76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00			76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00			76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00			76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20			76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00			76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00			76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00			76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00			76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50			76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75			76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00			76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00			54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00			54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00			54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00			54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50			54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20			54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00			54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20			54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00			54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20			54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00			54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20			54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00			54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50			54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00			54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50			54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00			54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20			54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00			54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20			54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00			54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20			54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00			54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20			54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00			54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20			54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00			54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20			54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00			42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00			42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00			42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42			42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00			42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20			42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00			42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00			35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00			35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00			35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50			35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	8.00			28		19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66
	A	3.90			28		14399	14.4	1.000	0.172	10.6	0.343	58	226	0.5	255	0.26	75.44	0.44
	A	1.56			15		2844	2.8	1.000	0.034	2.1	0.262	85	132	1.5	184	0.18	75.00	0.37

	A	0.37		15		2844	2.8	1.000	0.034	2.1	0.262	85	32	300.4	10377	10.38	74.63	0.12
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.390 m³/h		Δp = 10335 Pa												
	21-1		Φr = 2844 W Aut. =			Δp = 1000 Pa												
	A	0.25		15		2844	2.8	1.000	0.034	2.1	0.260	91	23	7.1	261	0.26	54.51	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 228 Pa												
	A	0.15		15		2844	2.8	1.000	0.034	2.1	0.260	91	14	0.3	24	0.02	54.46	0.02
	A	1.92		15		2844	2.8	1.000	0.034	2.1	0.260	91	175	2.3	252	0.25	54.44	0.35
	A	2.20		15		2844	2.8	1.000	0.034	2.1	0.260	91	201	1.0	234	0.23	54.09	0.29
	A	4.11		28		14399	14.4	1.000	0.172	10.5	0.339	62	255	0.5	283	0.28	52.44	0.24
	A	8.00		28		19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8	dn = 65 mm														
			kv = 79.000 m³/h			Δp = 3293 Pa												
	Riser/Plot: / Circulation by the receiver: 23-1 in the room:																	
	Δpdisp = 71282 Pa Δpgr = 33 Pa Δp = 71282 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 344.90 m																	
	GRANA 2					ΔpHS = 10000 Pa												
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04

	FILTER		dn = 65 mm	kv = 63.090	Δp = 5307 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	BALL VALVE F		dn = 65 mm	kv = 488.696	Δp = 88 Pa													
	A	1.50	76	328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02		
	A	20.00	76	328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25		
	A	0.20	76	328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00		
	A	3.00	76	291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04		
	A	3.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04		
	A	1.00	76	283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01		
	A	0.20	76	283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00		
	A	1.50	76	274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02		
	A	2.00	76	268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03		
	A	3.00	76	263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05		
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00		
	A	1.00	76	254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02		
	A	0.20	76	254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00		
	A	3.00	76	245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05		
	A	3.00	76	239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05		
	A	3.00	76	234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05		
	A	3.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05		
	A	1.00	76	225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02		
	A	0.20	76	225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00		
	A	2.00	76	215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04		
	A	2.00	76	210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04		
	A	8.00	76	180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18		
	A	2.00	76	175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05		
	A	1.50	76	172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04		
	A	1.75	76	168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04		
	A	3.00	76	153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08		
	A	1.00	54	150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02		
	A	5.00	54	150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10		
	A	5.00	54	143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11		
	A	5.00	54	137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11		
	A	0.50	54	137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01		
	A	0.20	54	137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00		
	A	1.00	54	131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02		
	A	0.20	54	128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00		
	A	4.00	54	128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09		
	A	0.20	54	128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00		
	A	1.00	54	124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02		
	A	0.20	54	119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01		
	A	2.00	54	119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05		
	A	0.50	54	119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01		
	A	3.00	54	113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08		
	A	0.50	54	109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01		
	A	3.00	54	109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08		
	A	0.20	54	109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01		
	A	5.00	54	102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15		
	A	0.20	54	102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01		
	A	2.00	54	94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06		
	A	0.20	54	90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01		
	A	5.00	54	90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16		
	A	0.20	54	90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01		
	A	1.00	54	85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03		
	A	0.20	54	85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01		
	A	5.00	54	75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20		
	A	0.20	54	75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01		
	A	1.00	42	69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03		
	A	7.00	42	69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24		
	A	5.00	42	61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19		
	A	0.42	42	61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02		
	A	1.00	42	56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04		
	A	0.20	42	56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01		
	A	2.00	42	48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10		
	A	3.00	35	43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14		
	A	3.00	35	33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18		
	A	1.00	35	31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06		
	A	3.50	35	25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27		
	A	8.00	28	19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66		
	A	3.90	28	14399	14.4	1.000	0.172	10.6	0.343	58	226	0.5	255	0.26	75.44	0.44		
	A	4.00	22	11555	11.6	1.000	0.138	8.5	0.469	142	567	1.0	677	0.68	75.00	0.45		
	A	1.50	18	4266	4.3	1.000	0.051	3.1	0.260	64	96	5.5	282	0.28	74.55	0.28		
	A	0.40	15	2133	2.1	1.000	0.025	1.6	0.197	51	21	461.4	8954	8.95	74.27	0.17		
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.316 m³/h	Δp = 8866 Pa													
	23-1							Φr = 2133 W	Aut. =	Δp = 1000 Pa								
	A	0.25	15	2133	2.1	1.000	0.025	1.6	0.195	55	14	7.1	148	0.15	54.10	0.06		
	RLV-S		dn = 15 mm	kv = 2.600	Δp = 128 Pa													
	A	0.35	15	2133	2.1	1.000	0.025	1.6	0.195	55	20	2.3	63	0.06	54.04	0.06		
	A	1.95	15	2133	2.1	1.000	0.025	1.6	0.195	55	108	4.0	184	0.18	53.98	0.47		
	A	2.35	18	4266	4.3	1.000	0.051	3.1	0.257	69	162	3.0	261	0.26	53.48	0.24		
	A	4.00	22	11555	11.6	1.000	0.138	8.4	0.464	151	605	1.5	767	0.77	52.34	0.23		
	A	4.11	28	14399	14.4	1.000	0.172	10.5	0.339	62	255	0.5	283	0.28	52.44	0.24		
	A	8.00	28	19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34		

	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 23-2 in the room:																	
	Δpdisp = 71282 Pa Δpgr = 33 Pa Δp = 71282 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 345.09 m																	
	GRANA 2							ΔpHS = 10000 Pa										
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02

	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	8.00		28		19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66
	A	3.90		28		14399	14.4	1.000	0.172	10.6	0.343	58	226	0.5	255	0.26	75.44	0.44
	A	4.00		22		11555	11.6	1.000	0.138	8.5	0.469	142	567	1.0	677	0.68	75.00	0.45
	A	1.50		18		4266	4.3	1.000	0.051	3.1	0.260	64	96	5.5	282	0.28	74.55	0.28
	A	0.45		15		2133	2.1	1.000	0.025	1.6	0.197	51	23	460.8	8946	8.95	74.27	0.19
	RA-DV S		Preset: 7	dn = 15 mm														
			Q = m³/h	kv = 0.316 m³/h			Δp = 8855 Pa											
	23-2								Φr = 2133 W	Aut. =		Δp = 1000 Pa						
	A	0.20		15		2133	2.1	1.000	0.025	1.6	0.195	55	11	7.1	145	0.14	54.08	0.05
	RLV-S		dn = 15 mm	kv = 2.600			Δp = 128 Pa											
	A	0.35		15		2133	2.1	1.000	0.025	1.6	0.195	55	20	2.3	63	0.06	54.03	0.06
	A	2.15		15		2133	2.1	1.000	0.025	1.6	0.195	55	119	4.0	195	0.19	53.97	0.51
	A	2.35		18		4266	4.3	1.000	0.051	3.1	0.257	69	162	3.0	261	0.26	53.48	0.24
	A	4.00		22		11555	11.6	1.000	0.138	8.4	0.464	151	605	1.5	767	0.77	52.34	0.23
	A	4.11		28		14399	14.4	1.000	0.172	10.5	0.339	62	255	0.5	283	0.28	52.44	0.24
	A	8.00		28		19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02

	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 24-1 in the room:																	
	Δpdisp = 71284 Pa Δpgr = 35 Pa Δp = 71284 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 350.90 m																	
	GRANA 2												ΔpHS = 10000 Pa					
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00

	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	8.00		28		19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66
	A	3.90		28		14399	14.4	1.000	0.172	10.6	0.343	58	226	0.5	255	0.26	75.44	0.44
	A	4.00		22		11555	11.6	1.000	0.138	8.5	0.469	142	567	1.0	677	0.68	75.00	0.45
	A	3.00		22		7289	7.3	1.000	0.087	5.4	0.296	62	187	0.5	209	0.21	74.55	0.53
	A	1.50		18		4978	5.0	1.000	0.059	3.7	0.303	84	126	5.5	379	0.38	74.03	0.24
	A	0.40		15		2489	2.5	1.000	0.030	1.8	0.230	67	27	310.4	8205	8.21	73.79	0.15
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.386 m³/h		Δp = 8086 Pa												
	24-1					Φr = 2489 W Aut. =						Δp = 1000 Pa						
	A	0.25		15		2489	2.5	1.000	0.030	1.8	0.227	72	18	7.1	200	0.20	53.64	0.05
	RLV-S		dn = 15 mm	kv = 2.600		Δp = 174 Pa												
	A	0.35		15		2489	2.5	1.000	0.030	1.8	0.227	72	26	2.3	85	0.08	53.59	0.05
	A	1.95		15		2489	2.5	1.000	0.030	1.8	0.227	73	142	4.0	245	0.24	53.54	0.40
	A	2.35		18		4978	5.0	1.000	0.059	3.6	0.300	90	212	3.0	347	0.35	53.12	0.20
	A	3.00		22		7289	7.3	1.000	0.087	5.3	0.292	67	201	0.5	223	0.22	52.09	0.27
	A	4.00		22		11555	11.6	1.000	0.138	8.4	0.464	151	605	1.5	767	0.77	52.34	0.23
	A	4.11		28		14399	14.4	1.000	0.172	10.5	0.339	62	255	0.5	283	0.28	52.44	0.24
	A	8.00		28		19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00

	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 24-2 in the room:																	
	Δpdisp = 71284 Pa Δpgr = 35 Pa Δp = 71284 Pa Δpover = 0 Pa ΔH = 0.00 m LCIR = 351.09 m																	
	GRANA 2						ΔpHS = 10000 Pa											
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10

	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02
	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	8.00		28		19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66
	A	3.90		28		14399	14.4	1.000	0.172	10.6	0.343	58	226	0.5	255	0.26	75.44	0.44
	A	4.00		22		11555	11.6	1.000	0.138	8.5	0.469	142	567	1.0	677	0.68	75.00	0.45
	A	3.00		22		7289	7.3	1.000	0.087	5.4	0.296	62	187	0.5	209	0.21	74.55	0.53
	A	1.50		18		4978	5.0	1.000	0.059	3.7	0.303	84	126	5.5	379	0.38	74.03	0.24
	A	0.45		15		2489	2.5	1.000	0.030	1.8	0.230	67	30	309.8	8195	8.19	73.79	0.16
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.386 m³/h				Δp = 8072 Pa										
	24-2							Φr = 2489 W	Aut. =		Δp = 1000 Pa							
	A	0.20		15		2489	2.5	1.000	0.030	1.8	0.227	72	14	7.1	196	0.20	53.62	0.04
	RLV-S		dn = 15 mm	kv = 2.600				Δp = 174 Pa										
	A	0.35		15		2489	2.5	1.000	0.030	1.8	0.227	72	26	2.3	85	0.08	53.58	0.05
	A	2.15		15		2489	2.5	1.000	0.030	1.8	0.227	73	156	4.0	259	0.26	53.53	0.43
	A	2.35		18		4978	5.0	1.000	0.059	3.6	0.300	90	212	3.0	347	0.35	53.12	0.20
	A	3.00		22		7289	7.3	1.000	0.087	5.3	0.292	67	201	0.5	223	0.22	52.09	0.27
	A	4.00		22		11555	11.6	1.000	0.138	8.4	0.464	151	605	1.5	767	0.77	52.34	0.23
	A	4.11		28		14399	14.4	1.000	0.172	10.5	0.339	62	255	0.5	283	0.28	52.44	0.24
	A	8.00		28		19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01

	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06
	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															
	Riser/Plot: / Circulation by the receiver: 25-1 in the room:																	
	Δpdisp = 71281 Pa Δpgr = 32 Pa Δp = 71281 Pa Δpover = 0 Pa ΔH = -0.07 m LCIR = 358.68 m																	
	GRANA 2					ΔpHS = 10000 Pa												
	A	2.95		76		328513	328.5	1.000	3.923	242.2	0.989	110	324	11.2	5808	5.81	80.00	0.04
	FILTER		dn = 65 mm kv = 63.090 Δp = 5307 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	BALL VALVE F		dn = 65 mm kv = 488.696 Δp = 88 Pa															
	A	1.50		76		328513	328.5	1.000	3.923	242.2	0.989	110	165	0.3	312	0.31	79.96	0.02
	A	20.00		76		328513	328.5	1.000	3.923	242.2	0.989	110	2200	0.3	2347	2.35	79.94	0.25
	A	0.20		76		328513	328.5	1.000	3.923	242.2	0.989	110	22	0.0	22	0.02	79.69	0.00
	A	3.00		76		291215	291.2	1.000	3.478	214.7	0.876	88	264	0.5	456	0.46	79.69	0.04
	A	3.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	251	0.5	433	0.43	79.65	0.04
	A	1.00		76		283408	283.4	1.000	3.385	208.9	0.853	84	84	0.0	84	0.08	79.60	0.01
	A	0.20		76		283408	283.4	1.000	3.385	208.9	0.853	84	17	0.0	17	0.02	79.59	0.00
	A	1.50		76		274496	274.5	1.000	3.278	202.4	0.826	79	118	0.5	289	0.29	79.58	0.02
	A	2.00		76		268808	268.8	1.000	3.210	198.2	0.809	76	152	0.5	316	0.32	79.56	0.03
	A	3.00		76		263120	263.1	1.000	3.142	194.0	0.792	73	219	0.5	376	0.38	79.53	0.05
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.5	160	0.16	79.48	0.00
	A	1.00		76		254208	254.2	1.000	3.036	187.4	0.765	69	69	0.0	69	0.07	79.48	0.02
	A	0.20		76		254208	254.2	1.000	3.036	187.4	0.765	69	14	0.0	14	0.01	79.46	0.00
	A	3.00		76		245544	245.5	1.000	2.932	181.0	0.739	64	193	0.5	330	0.33	79.46	0.05
	A	3.00		76		239856	239.9	1.000	2.864	176.8	0.722	62	185	0.5	315	0.32	79.41	0.05
	A	3.00		76		234168	234.2	1.000	2.797	172.6	0.705	59	177	0.5	301	0.30	79.36	0.05
	A	3.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	165	0.5	280	0.28	79.31	0.05
	A	1.00		76		225504	225.5	1.000	2.693	166.2	0.678	55	55	0.0	55	0.06	79.25	0.02
	A	0.20		76		225504	225.5	1.000	2.693	166.2	0.678	55	11	0.0	11	0.01	79.23	0.00
	A	2.00		76		215716	215.7	1.000	2.576	159.0	0.649	51	102	0.5	207	0.21	79.23	0.04
	A	2.00		76		210028	210.0	1.000	2.508	154.8	0.632	48	97	0.5	197	0.20	79.19	0.04
	A	8.00		76		180610	180.6	1.000	2.157	133.1	0.543	37	294	0.5	367	0.37	79.15	0.18
	A	2.00		76		175278	175.3	1.000	2.093	129.2	0.527	35	70	0.5	139	0.14	78.97	0.05
	A	1.50		76		172789	172.8	1.000	2.064	127.3	0.520	34	51	0.5	118	0.12	78.92	0.04
	A	1.75		76		168581	168.6	1.000	2.013	124.2	0.507	32	57	0.5	121	0.12	78.89	0.04
	A	3.00		76		153731	153.7	1.000	1.836	113.3	0.462	27	82	0.5	136	0.14	78.84	0.08
	A	1.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	143	1.0	554	0.55	78.76	0.02
	A	5.00		54		150887	150.9	1.000	1.802	111.2	0.907	143	715	0.0	715	0.72	78.74	0.10
	A	5.00		54		143212	143.2	1.000	1.710	105.5	0.861	130	650	0.5	835	0.84	78.64	0.11
	A	5.00		54		137519	137.5	1.000	1.642	101.3	0.827	121	603	0.5	774	0.77	78.54	0.11
	A	0.50		54		137519	137.5	1.000	1.642	101.3	0.826	121	60	0.0	60	0.06	78.43	0.01
	A	0.20		54		137519	137.5	1.000	1.642	101.3	0.826	121	24	0.0	24	0.02	78.42	0.00
	A	1.00		54		131826	131.8	1.000	1.574	97.1	0.792	112	112	0.5	269	0.27	78.41	0.02
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.5	170	0.17	78.39	0.00
	A	4.00		54		128271	128.3	1.000	1.532	94.5	0.771	106	425	0.0	425	0.42	78.38	0.09
	A	0.20		54		128271	128.3	1.000	1.532	94.5	0.771	106	21	0.0	21	0.02	78.29	0.00
	A	1.00		54		124716	124.7	1.000	1.489	91.9	0.749	101	101	0.5	241	0.24	78.29	0.02

	A	0.20		54		119023	119.0	1.000	1.421	87.7	0.715	93	19	0.5	146	0.15	78.26	0.01
	A	2.00		54		119023	119.0	1.000	1.421	87.7	0.715	93	185	0.0	185	0.19	78.26	0.05
	A	0.50		54		119023	119.0	1.000	1.421	87.7	0.715	93	46	0.0	46	0.05	78.21	0.01
	A	3.00		54		113329	113.3	1.000	1.353	83.5	0.681	85	254	0.5	370	0.37	78.19	0.08
	A	0.50		54		109245	109.2	1.000	1.305	80.5	0.656	79	39	0.5	147	0.15	78.11	0.01
	A	3.00		54		109245	109.2	1.000	1.305	80.5	0.656	79	238	0.0	238	0.24	78.10	0.08
	A	0.20		54		109245	109.2	1.000	1.305	80.5	0.656	79	16	0.0	16	0.02	78.02	0.01
	A	5.00		54		102067	102.1	1.000	1.219	75.2	0.613	70	350	0.5	444	0.44	78.01	0.15
	A	0.20		54		102067	102.1	1.000	1.219	75.2	0.613	70	14	0.0	14	0.01	77.87	0.01
	A	2.00		54		94889	94.9	1.000	1.133	69.9	0.570	61	123	0.5	204	0.20	77.86	0.06
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.546	57	11	0.5	86	0.09	77.80	0.01
	A	5.00		54		90805	90.8	1.000	1.084	66.9	0.546	57	283	0.0	283	0.28	77.79	0.16
	A	0.20		54		90805	90.8	1.000	1.084	66.9	0.545	57	11	0.0	11	0.01	77.63	0.01
	A	1.00		54		85112	85.1	1.000	1.016	62.7	0.511	50	50	0.5	116	0.12	77.62	0.03
	A	0.20		54		85112	85.1	1.000	1.016	62.7	0.511	50	10	0.0	10	0.01	77.59	0.01
	A	5.00		54		75457	75.5	1.000	0.901	55.6	0.453	40	202	0.5	254	0.25	77.58	0.20
	A	0.20		54		75457	75.5	1.000	0.901	55.5	0.453	40	8	0.0	8	0.01	77.38	0.01
	A	1.00		42		69764	69.8	1.000	0.833	51.4	0.717	129	129	1.0	386	0.39	77.38	0.03
	A	7.00		42		69764	69.8	1.000	0.833	51.4	0.716	129	905	0.0	905	0.91	77.34	0.24
	A	5.00		42		61842	61.8	1.000	0.739	45.5	0.635	104	519	0.5	620	0.62	77.10	0.19
	A	0.42		42		61842	61.8	1.000	0.739	45.5	0.635	104	43	0.0	43	0.04	76.91	0.02
	A	1.00		42		56149	56.1	1.000	0.671	41.3	0.577	87	87	0.5	170	0.17	76.90	0.04
	A	0.20		42		56149	56.1	1.000	0.671	41.3	0.577	87	17	0.0	17	0.02	76.85	0.01
	A	2.00		42		48227	48.2	1.000	0.576	35.5	0.495	66	132	0.5	194	0.19	76.85	0.10
	A	3.00		35		43605	43.6	1.000	0.521	32.1	0.665	144	432	1.0	654	0.65	76.75	0.14
	A	3.00		35		33951	34.0	1.000	0.405	25.0	0.518	92	275	0.5	342	0.34	76.61	0.18
	A	1.00		35		31107	31.1	1.000	0.371	22.9	0.474	78	78	0.5	134	0.13	76.43	0.06
	A	3.50		35		25419	25.4	1.000	0.304	18.7	0.388	54	190	0.5	228	0.23	76.37	0.27
	A	8.00		28		19731	19.7	1.000	0.236	14.5	0.470	102	813	1.0	923	0.92	76.10	0.66
	A	3.90		28		14399	14.4	1.000	0.172	10.6	0.343	58	226	0.5	255	0.26	75.44	0.44
	A	4.00		22		11555	11.6	1.000	0.138	8.5	0.469	142	567	1.0	677	0.68	75.00	0.45
	A	3.00		22		7289	7.3	1.000	0.087	5.4	0.296	62	187	0.5	209	0.21	74.55	0.53
	A	3.97		15		2311	2.3	1.000	0.028	1.7	0.213	59	236	1.0	258	0.26	74.03	1.54
	A	1.56		15		2311	2.3	1.000	0.028	1.7	0.213	60	93	2.3	145	0.14	72.49	0.43
	A	0.37		15		2311	2.3	1.000	0.028	1.7	0.213	60	22	362.5	8241	8.24	72.05	0.14
	RA-DV S		Preset: N	dn = 15 mm														
			Q = m³/h	kv = 0.355 m³/h				Δp = 8212 Pa										
	25-1								Φr = 2311 W	Aut. =		Δp = 1000 Pa						
	A	0.25		15		2311	2.3	1.000	0.028	1.7	0.211	64	16	7.1	173	0.17	51.91	0.05
	RLV-S		dn = 15 mm	kv = 2.600				Δp = 150 Pa										
	A	0.15		15		2311	2.3	1.000	0.028	1.7	0.211	64	10	0.3	16	0.02	51.86	0.02
	A	1.92		15		2311	2.3	1.000	0.028	1.7	0.211	64	123	2.3	174	0.17	51.84	0.39
	A	2.20		15		2311	2.3	1.000	0.028	1.7	0.211	64	142	0.3	148	0.15	51.45	0.32
	A	4.17		15		2311	2.3	1.000	0.028	1.7	0.211	65	269	1.5	303	0.30	51.13	0.82
	A	3.00		22		7289	7.3	1.000	0.087	5.3	0.292	67	201	0.5	223	0.22	52.09	0.27
	A	4.00		22		11555	11.6	1.000	0.138	8.4	0.464	151	605	1.5	767	0.77	52.34	0.23
	A	4.11		28		14399	14.4	1.000	0.172	10.5	0.339	62	255	0.5	283	0.28	52.44	0.24
	A	8.00		28		19731	19.7	1.000	0.236	14.3	0.464	108	866	1.5	1028	1.03	52.79	0.34
	A	3.50		35		25419	25.4	1.000	0.304	18.5	0.383	58	203	0.5	240	0.24	53.03	0.14
	A	1.00		35		31107	31.1	1.000	0.371	22.6	0.468	83	83	0.5	138	0.14	53.33	0.03
	A	3.00		35		33951	34.0	1.000	0.405	24.7	0.511	97	292	0.5	357	0.36	53.46	0.09
	A	3.00		35		43605	43.6	1.000	0.521	31.7	0.657	152	457	1.5	780	0.78	53.57	0.07
	A	2.00		42		48227	48.2	1.000	0.576	35.0	0.489	70	140	0.5	200	0.20	53.61	0.05
	A	0.20		42		56149	56.1	1.000	0.671	40.8	0.569	92	18	0.0	18	0.02	53.73	0.00
	A	1.00		42		56149	56.1	1.000	0.671	40.8	0.569	92	92	0.5	173	0.17	53.72	0.02
	A	0.42		42		61842	61.8	1.000	0.739	44.9	0.627	110	46	0.0	46	0.05	53.80	0.01
	A	5.00		42		61842	61.8	1.000	0.739	44.9	0.627	110	548	0.5	647	0.65	53.79	0.10
	A	7.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	955	0.0	955	0.95	53.84	0.12
	A	1.00		42		69764	69.8	1.000	0.833	50.7	0.707	136	136	1.5	512	0.51	53.71	0.02
	A	0.20		54		75457	75.5	1.000	0.901	54.8	0.447	43	9	0.0	9	0.01	53.81	0.00
	A	5.00		54		75457	75.5	1.000	0.901	54.8	0.447	43	215	0.5	265	0.26	53.81	0.10
	A	0.20		54		85112	85.1	1.000	1.016	61.9	0.505	53	11	0.0	11	0.01	53.88	0.00
	A	1.00		54		85112	85.1	1.000	1.016	61.9	0.505	53	53	0.5	117	0.12	53.88	0.02
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.0	12	0.01	53.96	0.00
	A	5.00		54		90805	90.8	1.000	1.084	66.0	0.538	60	299	0.0	299	0.30	53.96	0.08
	A	0.20		54		90805	90.8	1.000	1.084	66.0	0.538	60	12	0.5	84	0.08	53.87	0.00
	A	2.00		54		94889	94.9	1.000	1.133	69.0	0.563	65	130	0.5	209	0.21	53.96	0.03
	A	0.20		54		102067	102.1	1.000	1.219	74.2	0.605	74	15	0.0	15	0.01	54.04	0.00
	A	5.00		54		102067	102.1	1.000	1.219	74.2	0.605	74	370	0.5	461	0.46	54.03	0.08
	A	0.20		54		109245	109.2	1.000	1.305	79.4	0.648	84	17	0.0	17	0.02	54.07	0.00
	A	3.00		54		109245	109.2	1.000	1.305	79.4	0.648	84	251	0.0	251	0.25	54.06	0.04
	A	0.29		54		109245	109.2	1.000	1.305	79.4	0.648	84	24	0.5	129	0.13	54.02	0.00
	A	3.00		54		113329	113.3	1.000	1.353	82.4	0.672	89	268	0.5	381	0.38	54.10	0.04
	A	0.29		54		119023	119.0	1.000	1.421	86.5	0.706	98	28	0.0	28	0.03	54.17	0.00
	A	2.00		54		119023	119.0	1.000	1.421	86.5	0.706	98	195	0.0	195	0.20	54.16	0.03
	A	0.20		54		119023	119.0	1.000	1.421	86.5	0.706	98	20	0.5	144	0.14	54.14	0.00
	A	1.00		54		124716	124.7	1.000	1.489	90.7	0.740	106	106	0.5	243	0.24	54.22	0.01
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.0	22	0.02	54.27	0.00
	A	4.00		54		128271	128.3	1.000	1.532	93.2	0.761	112	447	0.0	447	0.45	54.26	0.05
	A	0.20		54		128271	128.3	1.000	1.532	93.2	0.761	112	22	0.5	167	0.17	54.22	0.00
	A	1.00		54		131826	131.8	1.000	1.574	95.8	0.782	117	117	0.5	270	0.27	54.27	0.01
	A	0.20		54		137519	137.5	1.000	1.642	100.0	0.816	127	25	0.0	25	0.03	54.34	0.00
	A	0.50		54		137519	137.5	1.000	1.642	100.0	0.816	127	63	0.0	63	0.06	54.34	0.01
	A	5.00		54		137519	137.5	1.000	1.642	100.0	0.816	127	634	0.5	800	0.80	54.33	0.06

	A	5.00		54		143212	143.2	1.000	1.710	104.1	0.849	137	683	0.5	863	0.86	54.36	0.05
	A	5.00		54		150887	150.9	1.000	1.802	109.7	0.895	150	751	0.0	751	0.75	54.37	0.05
	A	3.46		54		150887	150.9	1.000	1.802	109.7	0.895	150	520	1.5	1121	1.12	54.32	0.04
	A	3.00		76		153731	153.7	1.000	1.836	111.8	0.456	29	87	0.5	139	0.14	54.34	0.04
	A	1.55		76		168581	168.6	1.000	2.013	122.6	0.500	34	53	0.5	116	0.12	54.43	0.02
	A	1.50		76		172789	172.8	1.000	2.064	125.6	0.513	36	54	0.5	119	0.12	54.47	0.02
	A	2.00		76		175278	175.3	1.000	2.093	127.4	0.520	37	73	0.5	141	0.14	54.49	0.02
	A	8.00		76		180610	180.6	1.000	2.157	131.3	0.536	39	310	0.5	382	0.38	54.56	0.09
	A	2.00		76		210028	210.0	1.000	2.508	152.7	0.623	51	102	0.5	199	0.20	54.53	0.02
	A	2.00		76		215716	215.7	1.000	2.576	156.8	0.640	53	107	0.5	209	0.21	54.59	0.02
	A	0.20		76		225504	225.5	1.000	2.693	164.0	0.669	58	12	0.0	12	0.01	54.69	0.00
	A	1.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	58	0.0	58	0.06	54.69	0.01
	A	3.00		76		225504	225.5	1.000	2.693	164.0	0.669	58	174	0.5	286	0.29	54.68	0.03
	A	3.00		76		234168	234.2	1.000	2.797	170.3	0.695	62	186	0.5	307	0.31	54.74	0.03
	A	3.00		76		239856	239.9	1.000	2.864	174.4	0.712	65	194	0.5	321	0.32	54.79	0.03
	A	3.00		76		245544	245.5	1.000	2.932	178.5	0.729	68	203	0.5	336	0.34	54.84	0.03
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.0	14	0.01	54.89	0.00
	A	1.00		76		254208	254.2	1.000	3.036	184.8	0.755	72	72	0.0	72	0.07	54.89	0.01
	A	0.20		76		254208	254.2	1.000	3.036	184.8	0.755	72	14	0.5	157	0.16	54.88	0.00
	A	3.00		76		263120	263.1	1.000	3.142	191.3	0.781	77	230	0.5	383	0.38	54.96	0.02
	A	2.00		76		268808	268.8	1.000	3.210	195.5	0.798	80	159	0.5	319	0.32	55.01	0.02
	A	1.50		76		274496	274.5	1.000	3.278	199.6	0.815	83	124	0.5	290	0.29	55.06	0.01
	A	0.20		76		283408	283.4	1.000	3.385	206.1	0.841	88	18	0.0	18	0.02	55.12	0.00
	A	1.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	88	0.0	88	0.09	55.12	0.01
	A	3.00		76		283408	283.4	1.000	3.385	206.1	0.841	88	263	0.5	440	0.44	55.11	0.02
	A	3.00		76		291215	291.2	1.000	3.478	211.8	0.865	92	277	0.5	464	0.46	55.16	0.02
	A	0.20		76		328513	328.5	1.000	3.923	238.9	0.975	115	23	0.0	23	0.02	55.40	0.00
	A	20.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	2300	0.3	2442	2.44	55.40	0.13
	A	2.00		76		328513	328.5	1.000	3.923	238.9	0.975	115	230	0.3	373	0.37	55.27	0.01
	A	3.05		76		328513	328.5	1.000	3.923	238.9	0.975	115	351	6.9	3644	3.64	55.26	0.02
	MSV-F2 PN16		Preset: 8 dn = 65 mm															
			kv = 79.000 m³/h Δp = 3293 Pa															

ODABIR CIRKULACIONIH PUMPI

IZBOR CIRKULACIONIH PUMPI / SELECTION OF CIRCULATION PUMPS

Redni broj	Oznaka pumpe Pump tag	Namena Purpose	Potrebna količina toplote	Razlika temperature	Cp	Potreban protok	Pad pritiska u mreži	**Parametri za izbor pumpi**		**Karakteristike izabrane pumpe Proizvođač: Wilo Characteristics of the selected pump Manufacturer: Wilo**					
								Potreban protok + 10%	Potreban napor + 20%	**Priključak Conection**	**Protok / Flow**	**Napor / Head**	**Snaga / Power**	**Napajanje / Voltage**	**Tip pumpe / Pump type**
-			kW	^{o}C		m3/h	kPa	m3/h	kPa	**-**	**m^3/h**	**kPa**	**kW**	**V**	**-**
1	CP1	Grana 1	272.80	20.0	4.2	12.1	62	13.3	75	**DN40**	**13.3**	**75.0**	**0.57**	**230**	**Stratos MAXO-D 40/0,5-12 PN6/10**
2	CP2	Grana 2	328.50	20.0	4.2	14.5	71	16.0	85	**DN50**	**16.0**	**85.0**	**1.48**	**230**	**Stratos MAXO-D 50/0,5-16 PN6/10**

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Ispisni tekst

Broj projekta Neimenovani projekat 2025-03-05 22:07:06.167

Ime projekta
Mesto ugradnje
Korisnički br. pol.

Datum 05.03.2025

Poz.	Br.	Oznaka	PG
1		**Premium Smart dupleks pumpa sa vlažnim rotorom**	
1.1	1	Stratos MAXO-D 40/0,5-12 PN6/10	

Premium Smart pumpa Wilo-Stratos MAXO-D
Inline dupleks pumpa visoke efikasnosti sa vlažnim rotorom, sa EC motorom i elektronskim prilagođavanjem snage. Može da se koristi za vodu za grejanje, vodu za hlađenje i smešu voda/glikol. Indeks energetske efikasnosti (EEI) u zavisnosti od tipa pumpe između ≤ 0,17 i ≤ 0,19.

Vrste regulacije:
- Neprekidno, automatsko podešavanje snage prema potrebama postrojenja bez specifikacije zadate vrednosti **Wilo Dynamic Adapt plus** (fabričko podešavanje). Do 20 % uštede električne energije u odnosu na vrstu regulacije dp-v.
- Konstantna temperatura **(T-const.)**
- Konstantna diferencijalna temperatura **(dT-const.)**
- Optimizacija protoka cirkulacione pumpe prema potrebi pomoću umrežavanja i komunikacije sa više pumpi **(Multi-Flow Adaptation).**
- Konstantan protok **(Q-const.)**
- Regulacija diferencijalnog pritiska dp-c na udaljenoj tački u mreži cevovoda **(regulacija slabe tačke)**
- Konstantan diferencijalni pritisak **(dp-c)**
- Varijabilni diferencijalni pritisak **(dp-v)** sa opcijom unosa nominalne radne tačke
- Konstantan broja obrtaja **(n-const.)**
- Korisnički definisana **PID** regulacija

Funkcije:
- Prepoznavanje nivoa toplog
- Prepoznavanje nivoa hladnog
- Automatsko isključivanje pumpa pri detekciji nultog protoka **(No-Flow Stop)**
- Prebacivanje između režima grejanja i režima hlađenja (automatski, eksterno ili ručno)
- Podesivo ograničenje protoka pomoću Q-Limit funkcije **($Q_{min.}$ i $Q_{max.}$)**
- Režimi rada dupleks pumpi: **Paralelni rad** optimizovanog stepena korisnog dejstva za dp-c i dp-glavni/rezervni rad
- Memorisanje i vraćanje konfigurisanih podešavanja pumpi **(3 tačke vraćanja)**
- **Prikaz poruka o smetnjama/upozorenja** sa jasnim tekstom, uključujući preporuke za otklan smetnji
- **Funkcija odušivanja** za automatsko odzračivanja prostora rotora
- Automatski **rad sa sniženim intenzitetom**
- Automatska **funkcija deblokade** i integrisana **potpuna zaštita motora**
- **Detekcija rada na suvo**

Prikaz:
- Vrsta regulacije
- Zadata vrednost
- Protok
- Temperatura
- Potrošnja električne energije
- Električna potrošnja
- Aktivni uticaji (npr. STOP, No-Flow Stop)

Verzija:
- **2 analogna ulaza** koji se mogu konfigurisati: 0 – 10 V, 2 – 10 V, 0 – 20 mA, 4 – 20 mA i uobi čajeni PT1000; snabdevanje napona sa +24 V DC
- **2 digitalna ulaza** koja se mogu konfigurisati (Ext. OFF, Ext. Min, Ext. Max, grejanje/hlađenje, ručno upravljanje (odvojeno od automatike zgrade), blokada upravljanja (blokada tastature i zaštita od konfigurisanja putem daljinskog upravljača))
- **2 releja za signalizaciju** koja se mogu konfigurisati za **signal rada i signal greške**
- **Utično mesto za Wilo CIF module** sa interfejsima za automatiku zgrade (opciona dodatna oprema: CIF moduli Modbus RTU, Modbus TCP, BACnet MS/TP, BACnet IP, LON, PLR, CANopen)
- Wilo Net kao Wilo sistemska sabirnica za međusobnu komunikaciju Wilo proizvoda, z.B.

Poz.	Br.	Oznaka	PG

Multi-Flow Adaptation; režim rada dupleks pumpe i Wilo-Smart Gateway
- **Integrisani temperaturni senzor**
- Automatski **pogon u nuždi** pri posebnim stanjima (broj obrtaja pumpe se može definisati), npr. pri otkazu komunikacije preko sabirnica ili vrednosti senzora
- **Grafički ekran u boji** (4,3 inča) sa rukovanjem preko ručne komande sa jednim dugmetom
- Očitavanje i podešavanje radnih podataka, kao i npr. podešavanje protokola za puštanje u rad preko Bluetooth interfejsa (bez druge dodatne opreme) preko Wilo-Assistant aplikacije
- Integrisano **upravljanje dupleks pumpama** (dupleks pumpe su fabrički ožičene), kod upotrebe 2 pojedinačne pumpe kao dupleks pumpe, povezivanje preko WILO Net-a
- Detekcija prekida kabla pri analognom signalu (u kombinaciji sa 2–10 V ili 4–20 mA)
- Mogućnost postavljanja na otvorenom prostoru sa zaštitom vremenskih prilika prema uputstvu za ugradnju i upotrebu
- Prethodno podešavanje datuma i vremena

Opseg isporuke
- Pumpa
- **2x** optimizovani Wilo-Connector, isti za sve veličine
- **4x** navojni priključak kabla M16 x 1,5
- Podloške za zavrtnje sa prirubnicama M12 i M16 (kod nominalnih prečnika priključaka DN 32 do DN 65)
- 2x zaptivač kod navojnog priključka
- Uputstvo za ugradnju i upotrebu, kompaktno

Opciona dodatna oprema:
- CIF modul: Modbus TCP, Modbus RTU, BACnet IP, BACnet MS/TP, LON, PLR, CANopen
- PT 1000 (B) senzor ugrađen u cevi (za potrošnu vodu)
- PT 1000 (AA) senzor za instalaciju u uronjivu čauru
- Senzor diferencijalnog pritiska

Radni podaci
Fluid: Voda 100 %
Temperatura fluida: 80.00 °C
Protok: 13.30 m³/h
Napor: 7.50 m
Min. temperatura fluida: -10 °C
Maks. temperatura fluida: 110 °C
Temperatura okoline min.: -10 °C
Maks. temperatura okoline: 40 °C
Maksimalni radni pritisak: 10 bar
Minimalna usisna visina pri 50 °C: 5 m
Minimalna usisna visina pri 95 °C: 12 m
Minimalna usisna visina pri 110 °C: 18 m

Podaci o motoru
Indeks energetske efikasnosti (EEI): ≤ 0.17
Emitovanje smetnji: EN 61800-3;2004+A1;2012 / stambeni prostor (C1)
Otpornost na smetnje: EN 61800-3;2004+A1;2012 / industrijsko okruženje (C2)
Mrežni priključak: 1~230V/50 Hz
Potrošnja električne energije: 570 W
Broj obrtaja min.: 650 1/min
Broj obrtaja maks.: 3600 1/min
Klasa zaštite motora: IPX4D
Navojni priključak kabla: 5 x M16x1.5

Materijali
Kućište pumpe: 5.1301/EN-GJL-250
Radno kolo: PPS-GF40
Vratilo: 1.4028, sa DLC prevlakom
Materijal ležaja: Grafit, impregniran antimonom

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Ispisni tekst

Broj projekta Neimenovani projekat 2025-03-05 22:07:06.167

Ime projekta
Mesto ugradnje
Korisnički br. pol.

Datum 05.03.2025

Poz.	Br.	Oznaka	PG

Montažne dimenzije
Cevni priključak sa usisne strane: DN 40, PN 6/10
Cevni priključak sa potisne strane: DN 40, PN 6/10
Ukupna visina: 250 mm

Informacije za slanje porudžbine
Proizvođač: Wilo
Oznaka proizvoda: Stratos MAXO-D 40/0,5-12 PN6/10
Neto težina oko: 34.3 kg
Broj artikla: 2164650

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Tehnički podaci

Premium Smart dupleks pumpa sa vlažnim rotorom Stratos MAXO-D 40/0,5-12 PN6/10

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Ime projekta
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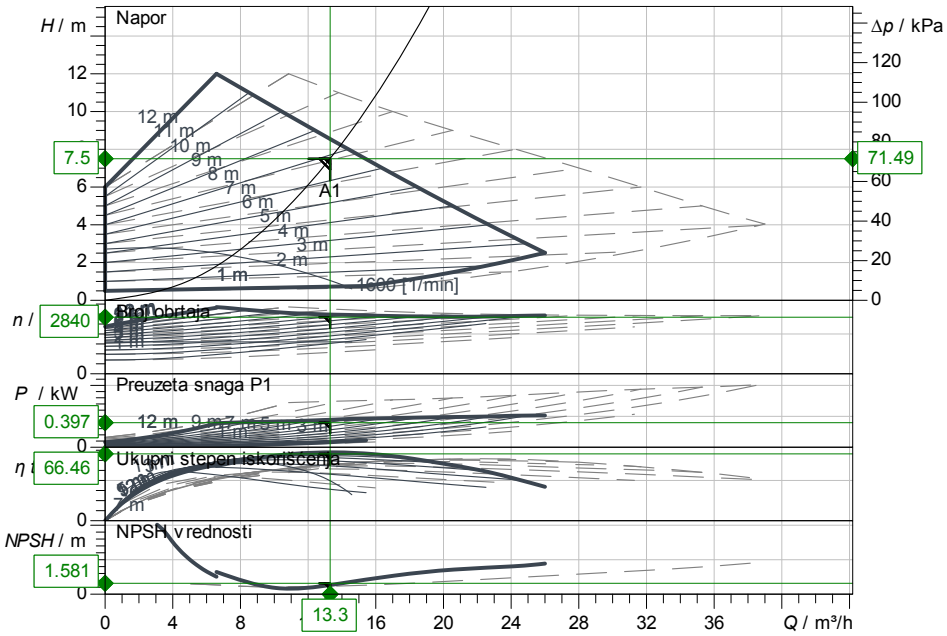
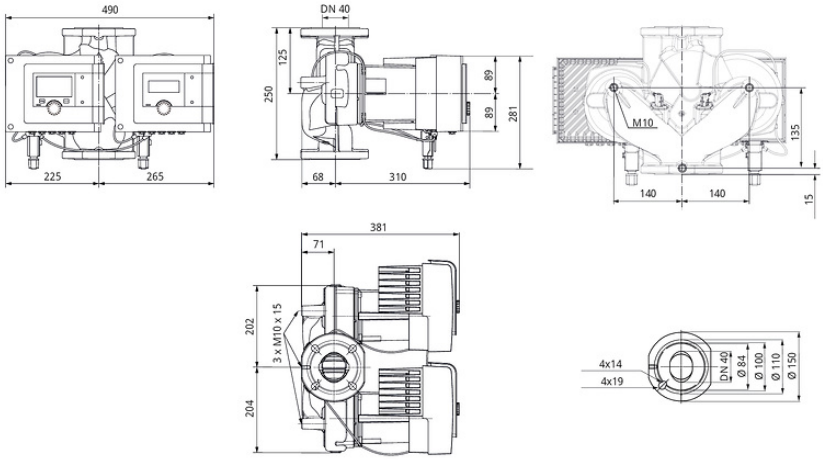
Korisnički br. pol.

Datum 05.03.2025

Karakteristično polje





Zadavanje radnih podataka

Protok	13.30 m³/h
Napor	7.50 m
Medij	Voda 100 %
Temperatura fluida	80.00 °C
Gustina	971.70 kg/m³
Kinematska viskoznost	0.36 mm²/s

Hidraulički podaci (radna tačka)

Protok	13.30 m³/h
Napor	7.50 m
Preuzeta snaga P1	0.40 kW

Podaci o proizvodu

Premium Smart dupleks pumpa sa vlažnim rotorom Stratos MAXO-D 40/0,5-12 PN6/10

Radni modus	dp-v HR
Maks. radni pritisak	1000 kPa
Temperatura fluida	-10 °C ... +110 °C
Maks. temperatura okoline	40 °C
Minimalna visina dotoka pri 50 / 95 / 110°C	5 / 12 / 18

Podaci o motoru po motoru/pumpi

Vrsta konstrukcije motora	EC motor
Indeks energetske efikasnosti (EEI)	≤0.17
Mrežni priključak	1~230 V / 50 Hz
Dozvoljena tolerancija napona	+-10 %
Maks. broj obrtaja	3600 1/min
Preuzeta snaga P1	0.57 kW
Potrošnja struje	2.49 A
Vrsta zaštite	IPX4D
Klasa izolacije	F
Zaštita motora	Internerna zaštita od pr
Elektromagnetna kompatibilnost	
Emitovanje smetnji	EN 61800-3;2004+A1
Otpornost na smetnje	EN 61800-3;2004+A1
Kablovska uvodnica	5 x M16x1.5

Priključna dimenzija

Cevni priključak sa usisne strane	DN 40, PN 6/10
Cevni priključak sa potisne strane	DN 40, PN 6/10
Dužina	250 mm

Materijali

Kućište pumpe	5.1301/EN-GJL-250
Radno kolo	PPS-GF40
Vratilo	1.4028, sa DLC prevlakom
Materijal ležaja	Grafit, impregniran antimonom

Informacije vezane za poručivanje

Težina oko	34.3 kg
Kataloški broj	2164650

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Ime projekta
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Poz.	Br.	Oznaka	PG
2		**Premium Smart dupleks pumpa sa vlažnim rotorom**	
2.1	1	Stratos MAXO-D 50/0,5-16 PN6/10	

Premium Smart pumpa Wilo-Stratos MAXO-D
Inline dupleks pumpa visoke efikasnosti sa vlažnim rotorom, sa EC motorom i elektronskim prilagođavanjem snage. Može da se koristi za vodu za grejanje, vodu za hlađenje i smešu voda/glikol. Indeks energetske efikasnosti (EEI) u zavisnosti od tipa pumpe između ≤ 0,17 i ≤ 0,19.

Vrste regulacije:
- Neprekidno, automatsko podešavanje snage prema potrebama postrojenja bez specifikacije zadate vrednosti **Wilo Dynamic Adapt plus** (fabričko podešavanje). Do 20 % uštede električne energije u odnosu na vrstu regulacije dp-v.
- Konstantna temperatura **(T-const.)**
- Konstantna diferencijalna temperatura **(dT-const.)**
- Optimizacija protoka cirkulacione pumpe prema potrebi pomoću umrežavanja i komunikacije sa više pumpi **(Multi-Flow Adaptation).**
- Konstantan protok **(Q-const.)**
- Regulacija diferencijalnog pritiska dp-c na udaljenoj tački u mreži cevovoda **(regulacija slabe tačke)**
- Konstantan diferencijalni pritisak **(dp-c)**
- Varijabilni diferencijalni pritisak **(dp-v)** sa opcijom unosa nominalne radne tačke
- Konstantan broja obrtaja **(n-const.)**
- Korisnički definisana **PID** regulacija

Funkcije:
- Prepoznavanje nivoa toplog
- Prepoznavanje nivoa hladnog
- Automatsko isključivanje pumpa pri detekciji nultog protoka **(No-Flow Stop)**
- Prebacivanje između režima grejanja i režima hlađenja (automatski, eksterno ili ručno)
- Podesivo ograničenje protoka pomoću Q-Limit funkcije **($Q_{min.}$ i $Q_{max.}$)**
- Režimi rada dupleks pumpi: **Paralelni rad** optimizovanog stepena korisnog dejstva za dp-c i dp-glavni/rezervni rad
- Memorisanje i vraćanje konfigurisanih podešavanja pumpi **(3 tačke vraćanja)**
- **Prikaz poruka o smetnjama/upozorenja** sa jasnim tekstom, uključujući preporuke za otklan smetnji
- **Funkcija odušivanja** za automatsko odzračivanja prostora rotora
- Automatski **rad sa sniženim intenzitetom**
- Automatska **funkcija deblokade** i integrisana **potpuna zaštita motora**
- **Detekcija rada na suvo**

Prikaz:
- Vrsta regulacije
- Zadata vrednost
- Protok
- Temperatura
- Potrošnja električne energije
- Električna potrošnja
- Aktivni uticaji (npr. STOP, No-Flow Stop)

Verzija:
- **2 analogna ulaza** koji se mogu konfigurisati: 0 – 10 V, 2 – 10 V, 0 – 20 mA, 4 – 20 mA i uobi čajeni PT1000; snabdevanje napona sa +24 V DC
- **2 digitalna ulaza** koja se mogu konfigurisati (Ext. OFF, Ext. Min, Ext. Max, grejanje/hlađenje, ručno upravljanje (odvojeno od automatike zgrade), blokada upravljanja (blokada tastature i zaštita od konfigurisanja putem daljinskog upravljača))
- **2 releja za signalizaciju** koja se mogu konfigurisati za **signal rada i signal greške**
- **Utično mesto za Wilo CIF module** sa interfejsima za automatiku zgrade (opciona dodatna oprema: CIF moduli Modbus RTU, Modbus TCP, BACnet MS/TP, BACnet IP, LON, PLR, CANopen)
- Wilo Net kao Wilo sistemska sabirnica za međusobnu komunikaciju Wilo proizvoda, z.B.

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Ime projekta
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Poz.	Br.	Oznaka	PG

Multi-Flow Adaptation; režim rada dupleks pumpe i Wilo-Smart Gateway
- **Integrisani temperaturni senzor**
- Automatski **pogon u nuždi** pri posebnim stanjima (broj obrtaja pumpe se može definisati), npr. pri otkazu komunikacije preko sabirnica ili vrednosti senzora
- **Grafički ekran u boji** (4,3 inča) sa rukovanjem preko ručne komande sa jednim dugmetom
- Očitavanje i podešavanje radnih podataka, kao i npr. podešavanje protokola za puštanje u rad preko Bluetooth interfejsa (bez druge dodatne opreme) preko Wilo-Assistant aplikacije
- Integrisano **upravljanje dupleks pumpama** (dupleks pumpe su fabrički ožičene), kod upotrebe 2 pojedinačne pumpe kao dupleks pumpe, povezivanje preko WILO Net-a
- Detekcija prekida kabla pri analognom signalu (u kombinaciji sa 2–10 V ili 4–20 mA)
- Mogućnost postavljanja na otvorenom prostoru sa zaštitom vremenskih prilika prema uputstvu za ugradnju i upotrebu
- Prethodno podešavanje datuma i vremena

Opseg isporuke
- Pumpa
- **2x** optimizovani Wilo-Connector, isti za sve veličine
- **4x** navojni priključak kabla M16 x 1,5
- Podloške za zavrtnje sa prirubnicama M12 i M16 (kod nominalnih prečnika priključaka DN 32 do DN 65)
- 2x zaptivač kod navojnog priključka
- Uputstvo za ugradnju i upotrebu, kompaktno

Opciona dodatna oprema:
- CIF modul: Modbus TCP, Modbus RTU, BACnet IP, BACnet MS/TP, LON, PLR, CANopen
- PT 1000 (B) senzor ugrađen u cevi (za potrošnu vodu)
- PT 1000 (AA) senzor za instalaciju u uronjivu čauru
- Senzor diferencijalnog pritiska

Radni podaci
Fluid: Voda 100 %
Temperatura fluida: 80.00 °C
Protok: 16.00 m³/h
Napor: 8.50 m
Min. temperatura fluida: -10 °C
Maks. temperatura fluida: 110 °C
Temperatura okoline min.: -10 °C
Maks. temperatura okoline: 40 °C
Maksimalni radni pritisak: 10 bar
Minimalna usisna visina pri 50 °C: 7 m
Minimalna usisna visina pri 95 °C: 15 m
Minimalna usisna visina pri 110 °C: 23 m

Podaci o motoru
Indeks energetske efikasnosti (EEI): ≤ 0.17
Emitovanje smetnji: EN 61800-3;2004+A1;2012 / stambeni prostor (C1)
Otpornost na smetnje: EN 61800-3;2004+A1;2012 / industrijsko okruženje (C2)
Mrežni priključak: 1~230V/50 Hz
Potrošnja električne energije: 1480 W
Broj obrtaja min.: 500 1/min
Broj obrtaja maks.: 3200 1/min
Klasa zaštite motora: IPX4D
Navojni priključak kabla: 5 x M16x1.5

Materijali
Kućište pumpe: 5.1301/EN-GJL-250
Radno kolo: PPS-GF40
Vratilo: 1.4028, sa DLC prevlakom
Materijal ležaja: Grafit, impregniran antimonom

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Poz.	Br.	Oznaka	PG

Montažne dimenzije
Cevni priključak sa usisne strane: DN 50, PN 6/10
Cevni priključak sa potisne strane: DN 50, PN 6/10
Ukupna visina: 340 mm

Informacije za slanje porudžbine
Proizvođač: Wilo
Oznaka proizvoda: Stratos MAXO-D 50/0,5-16 PN6/10
Neto težina oko: 61.5 kg
Broj artikla: 2164656

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Tehnički podaci

Premium Smart dupleks pumpa sa vlažnim rotorom Stratos MAXO-D 50/0,5-16 PN6/10

Broj projekta Neimenovani projekat 2025-03-05 22:07:06.167

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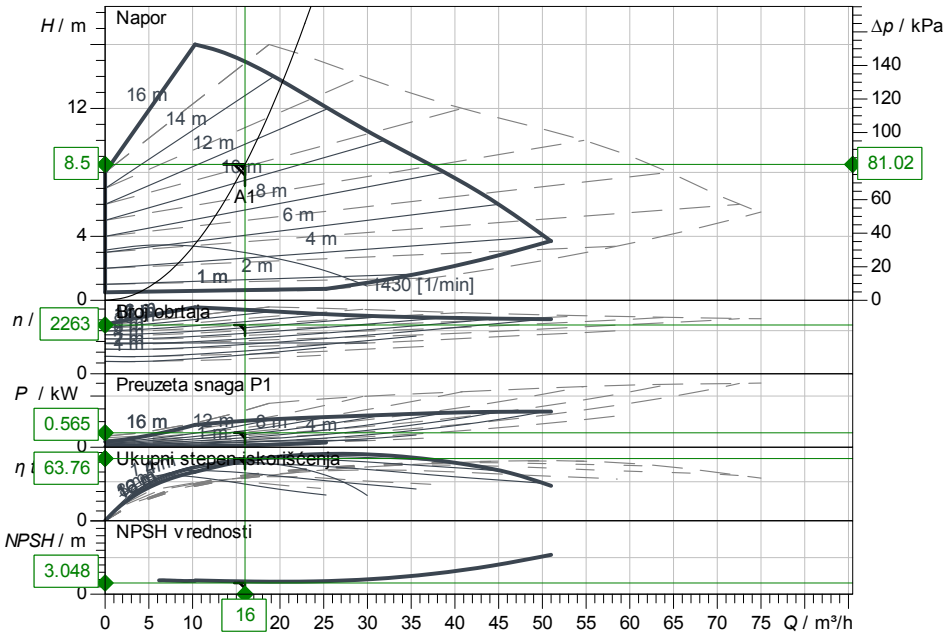
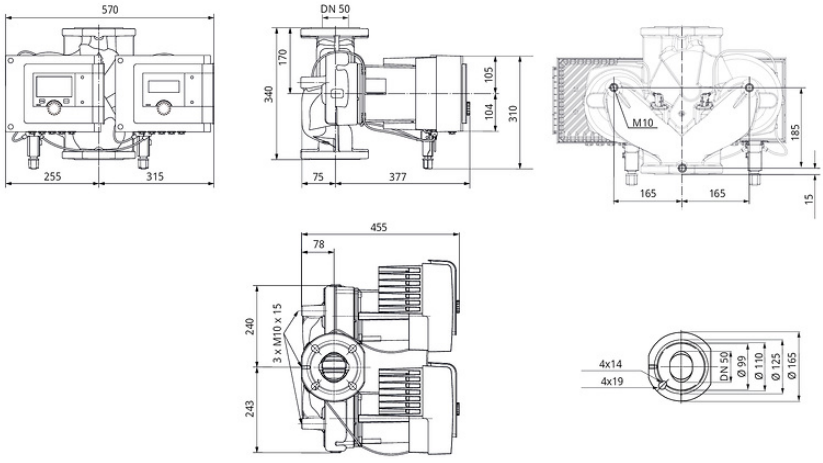
Datum 05.03.2025

Karakteristično polje





Zadavanje radnih podataka

Protok	16.00 m³/h
Napor	8.50 m
Medij	Voda 100 %
Temperatura fluida	80.00 °C
Gustina	971.70 kg/m³
Kinematska viskoznost	0.36 mm²/s

Hidraulički podaci (radna tačka)

Protok	16.00 m³/h
Napor	8.50 m
Preuzeta snaga P1	0.57 kW

Podaci o proizvodu

Premium Smart dupleks pumpa sa vlažnim rotorom Stratos MAXO-D 50/0,5-16 PN6/10

Radni modus	dp-v HR
Maks. radni pritisak	1000 kPa
Temperatura fluida	-10 °C ... +110 °C
Maks. temperatura okoline	40 °C
Minimalna visina dotoka pri 50 / 95 / 110°C	7 / 15 / 23

Podaci o motoru po motoru/pumpi

Vrsta konstrukcije motora	EC motor
Indeks energetske efikasnosti (EEI)	≤0.17
Mrežni priključak	1~230 V / 50 Hz
Dozvoljena tolerancija napona	+-10 %
Maks. broj obrtaja	3200 1/min
Preuzeta snaga P1	1.48 kW
Potrošnja struje	6.52 A
Vrsta zaštite	IPX4D
Klasa izolacije	F
Zaštita motora	Internerna zaštita od pr
Elektromagnetna kompatibilnost	
Emitovanje smetnji	EN 61800-3;2004+A1
Otpornost na smetnje	EN 61800-3;2004+A1
Kablovska uvodnica	5 x M16x1.5

Priključna dimenzija

Cevni priključak sa usisne strane	DN 50, PN 6/10
Cevni priključak sa potisne strane	DN 50, PN 6/10
Dužina	340 mm

Materijali

Kućište pumpe	5.1301/EN-GJL-250
Radno kolo	PPS-GF40
Vratilo	1.4028, sa DLC prevlakom
Materijal ležaja	Grafit, impregniran antimonom

Informacije vezane za poručivanje

Težina oko	61.5 kg
Kataloški broj	2164656

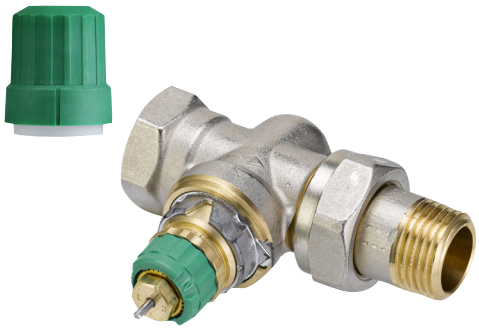
SPECIFIKACIJA OPREME I RADOVA

ENGINEERING
TOMORROW

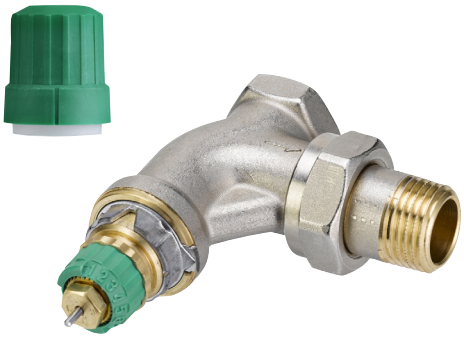
Tehnički list

Dynamic Valve™ Tip RA-DV
Radijatorski ventil nezavisan od promena pritiska

Primena



RA-DV prav



RA-DV ugaoni

RA-DV troosni desni i levi

RA-DV UK (Aksijalni)

RA-DV je serija radijatorskih ventila nezavisnih od promena pritiska, dizajnirana za sisteme dvocevnog grejanja uz upotrebu svih termostatskih glava sa Danfoss RA spojem.

RA-DV dinamički ventili su opremljeni uređajem za limitiranje i podešavanje maksimalnog protoka. Ventili su raspoloživi sa maksimalnim protokom vode od 10 - 135 l/h.

RA-DV ima integrisani regulator pritiska koji održava diferencijalni pritisak na konstantnom nivou od 0.1 bar i tako održava podešeni protok.

RA-DV je opremljen zaštitnom kapom koja se može koristiti za ručnu regulaciju tokom faze izgradnje. Zaštitna kapa ne treba da se koristi kao uređaj za ručno zatvaranje. Treba da se koristi poseban uređaj za ručno zatvaranje (kodni br. 013G5002).

Da bi se jasno razlikovali od ostalih Danfoss RA serije ventila RA-DV imaju zaštitnu kapu i prsten za predpodešavanje zelene boje.

Tela RA-DV ventila su proizvedena od niklovanog mesinga. Iglica ventila je od hromiranog čelika i radi sa trajno podmazanom prestenastom zaprivkom. Kompletan zaptivni sklop sa iglicom može da se zameni bez pražnjenja vode iz sistema.

Ako se primenjuje tretman vode izuzetno važno striktno se pridržavati uputstva proizvodjača o doziranju. Formule za tretman vode koje sadrže mineralna ulja treba izbegavati.

Da bi se izbegla pojava taloga i korozije, taloženje tople vode mora da bude u skladu sa VDI 2035.

Kvalitet

027

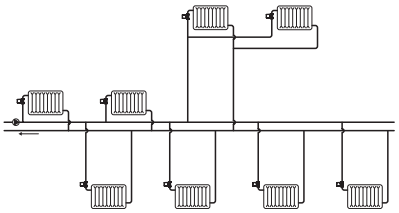
RA-DV *Dynamic Valves*™ sa RAW, RAE i RAS-C termoglavama su sertifikovani po evropskom standardu EN 215.

Svi Danfoss radijatorski termostati su proizvedeni u fabrikama koje su ocenjene i sertifikovane od strane BSI (British Standard Institution) prema ISO 9000 i ISO 14001.

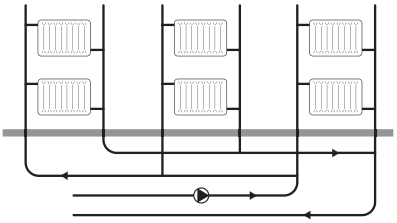
Tehnički list ***Dynamic Valve*™ Tip RA-DV - radijatorski ventil nezavisan od promena pritiska**

Principi

Primer primene 1



Primer primene 2



Naručivanje

Tip ventila	Dimenzija	Povezivanje ulaz	Povezivanje izlaz	Dizajn	Kodni br.
RA-DV	DN10	Rp ³/₈	R ³/₈	Ugaoni	**013G7711**
RA-DV	DN10	Rp ³/₈	R ³/₈	Prav	**013G7712**
RA-DV	DN10	Rp ³/₈	R ³/₈	UK (Aksijalni)	**013G7709**
RA-DV	DN10	Rp ³/₈	R ³/₈	Troosni desni	**013G7717**
RA-DV	DN10	Rp ³/₈	R ³/₈	Troosni levi	**013G7718**
RA-DV	DN15	Rp ½	R ½	Ugaoni	**013G7713**
RA-DV	DN15	Rp ½	R ½	Prav	**013G7714**
RA-DV	DN15	Rp ½	Rp ½	UK (Aksijalni)	**013G7710**
RA-DV	DN15	Rp ½	Rp ½	Troosni desni	**013G7719**
RA-DV	DN15	Rp ½	Rp ½	Troosni levi	**013G7720**
RA-DV	DN20	Rp ¾	Rp ¾	Ugaoni	**013G7725**
RA-DV	DN20	Rp ¾	Rp ¾	Prav	**013G7726**
RA-DV	DN20	Rp ¾	Rp ¾	Ugaoni	**013G7715**
RA-DV	DN20	Rp ¾	Rp ¾	Prav	**013G7716**

Accessories	Kodni br.
Iglica sa zaptivkom, 10 kom.	**013G0290**
Δp alat za optimizaciju napora pumpe	**013G7855**
Umetak ventila sa regulatorom, 5 kom.	**013G7831**

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Tehnički list — *Dynamic Valve*™ Tip RA-DV - radijatorski ventil nezavisan od promena pritiska

Kompresioni fiting*	Dimenzija cevi	Za tip ventila	Kodni br.
Za PEX cevi, 10 kom.	12 x 1.1 mm	RA-DV 15	**013G4143**
	12 x 2 mm	RA-DV 15	**013G4142**
	14 x 2 mm	RA-DV 15	**013G4144**
	15 x 2.5 mm	RA-DV 15	**013G4147**
	16 x 2 mm	RA-DV 15	**013G4146**
Za Alupex cevi, 10 kom.	12 x 2 mm	RA-DV 15	**013G4172**
	14 x 2 mm	RA-DV 15	**013G4174**
	16 x 2 mm	RA-DV 15	**013G4176**
Za čelicne i bakarne cevi, 10 kom.	10 mm	RA-DV 10	**013G4100**
	12 mm	RA-DV 10	**013G4102**
	10 mm	RA-DV 15	**013G4110**
	12 mm	RA-DV 15	**013G4112**
	14 mm	RA-DV 15	**013G4114**
	15 mm	RA-DV 15	**013G4115**

** Za više informacija o Danfoss kompresionom fitingu, pogledajte Tehnički list za kompresioni fiting.*

Tehnički podaci

Max. radni pritisak[1)]	10 bar							
Max. diferencijalni pritisak	0.6 bar							
Min. diferencijalni pritisak	0.1 bar							
Test pritisak	16 bar							
Max. radna temperatura	95° C							
Min. radna temperatura	2° C							
Predpodešavanje	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**N**
• Max[3)]	10 l/h	15 l/h	20 l/h	35 l/h	50 l/h	80 l/h	100 l/h	135 l/h
• sa RA 2000 glavama[2)]	9 l/h	14 l/h	18 l/h	30 l/h	45 l/h	70 l/h	90 l/h	130 l/h
• sa RAW, RAE ili RAS-C glavama[2)]	8 l/h	12 l/h	16 l/h	25 l/h	40 l/h	65 l/h	85 l/h	110 l/h

[1)] Radni pritisak = statički + dierencijalni pritisak. Max. diferencijalni pritisak je specificiran max. pritisak pri kome ventil daje zadovoljavajuće rezultate regulacije.

[2)] Na poziciji N navedena vrednost je u skladu sa EN 215, pri XP = 2K t.j. ventil je zatvoren pri 2° C višoj sobnoj temperaturi. Na nižim pozicijama XP vrednost je redukovana do 0.5K na poziciji 1. Sve vrednosti su max. protok na 0.1 bar.

[3)] Vrednost za max. protok pri max. hodu, t.j. pri potpuno otvorenom ventilu na 0.1 bar.

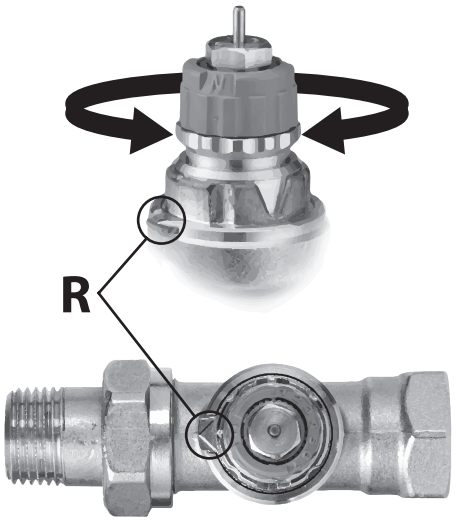
Predpodešavanje

Vrednosti predpodešavanja RA-DV ventila se mogu lako i precizno pstaviti bez upotrebe alata (fabričko podešavanje = N).

Predpodešavanje se postavlja u koracima od 1 to 7:
- Uklonite zaštitnu kapu / termostatsku glavu.
- Pronadjite referentnu oznaku (R).
- Okrenite prsten za podešavanje dok se željena pozicija ne poklopi sa referentnom oznakom.

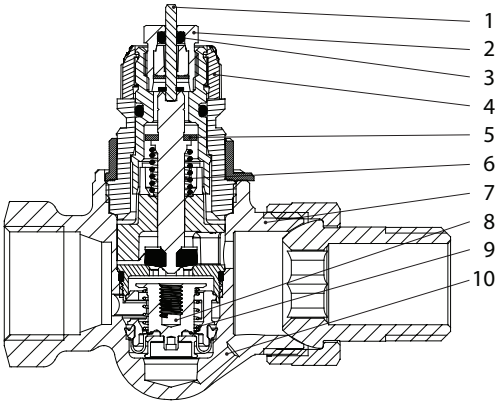
Na poziciji N ventil je potpuno otvoren. Ova pozicija može da se koristi za ispiranje, ako sistem treba da bude ispran zbog problema sa prljavštinom.

Kad se ugradi termostatska glava, pozicija predpodešavanja je zaštićena od nenamernog menjanja.



Tehnički list ***Dynamic Valve*™ Tip RA-DV - radijatorski ventil nezavisan od promena pritiska**

Dizajn



1. Iglica
2. Sklop zaptivke iglice
3. Prstenasta zaptivka (O-ring)
4. Prsten za podešavanje
5. Zaptivka
6. Regulaciona opruga
7. Telo ventila

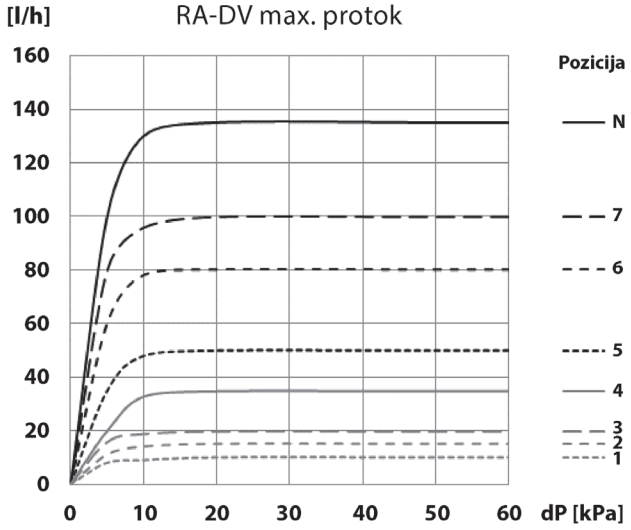
Termostatski radijatorski ventil se satoji od termo- staske glave i ventila RA-DV. Termostatske glave i ventili se poručuju posebno.

Sklop zaptivke sa iglicom se može promeniti u toku rada t.j. sa vodom i pritiskom u sistemu. Prsten za podešavanje držati okastim ključem 17 i otpustiti sklop zaptivke sa iglicom ključem 10.

Materiali u kontaktu sa vodom

Telo ventila i drugi metalni delovi	Mesing
Površina tela ventila	Niklovana
Limiter protoka	PPS
Prstenasta zaptivka (O-ring)	EPDM
Konus ventila	NBR
NBR Iglica i opruga	Hromirani čelik
Regulator	Mesing/EPDM

Kapaciteti



Primer dimenzionisanja

Potreban kapacitet grejanja	700 W
Temperaturni pad u radijatoru	20 °C
Protok kroz radijator	$Q = \frac{700}{20 \times 1.16} = 30$ l/h
Min. pritisak za konstantan protok	0.1 bar
Pozicija predpodešavanja ventila*	4

**Alternativno pozicija predpodešavanja može da se pročita direktno iz tabele ''Tehnički podaci''.*

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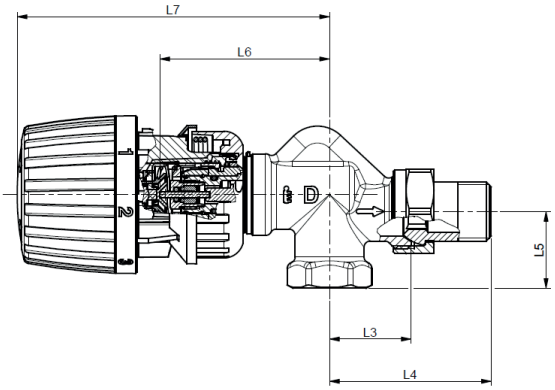
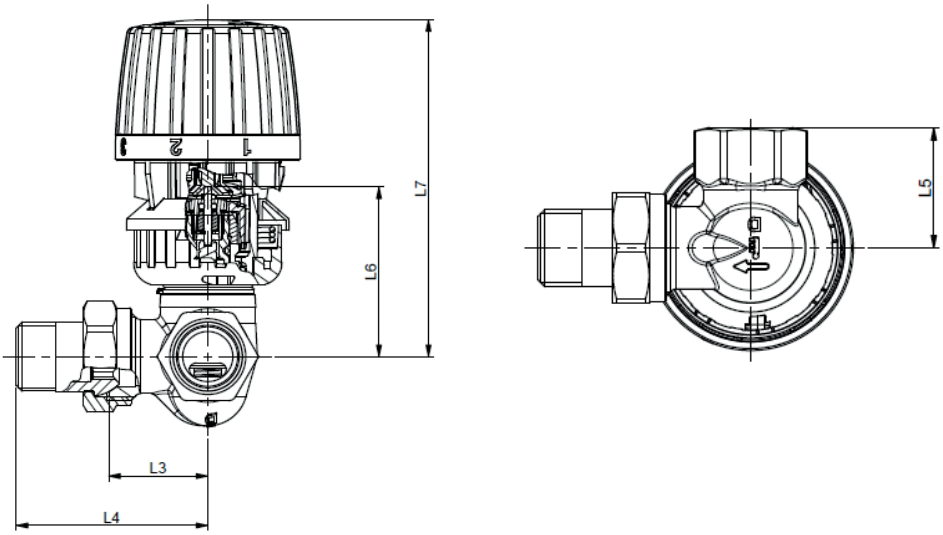
Dimenzije



RA-DV UK Aksijalni / RA2990 termoglava

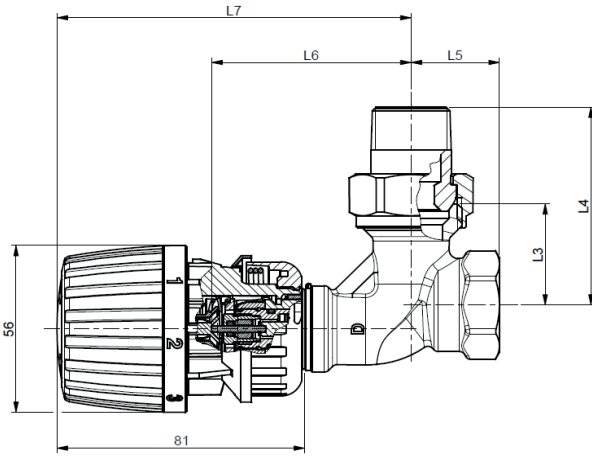
Tip	Kodni br.	ISO 7-1			L_1	L_2	L_3	L_4	L_5	L_6	L_7	OK	
		DN	D	d_2								S_1	S_2
RA-DV 10 UK	013G7709	10	Rp ⅜	R ⅜	-	-	26	51	22	61	112	22	27
RA-DV 15 UK	013G7710	15	Rp ½	R ½	-	-	29	58	27	61	112	27	30



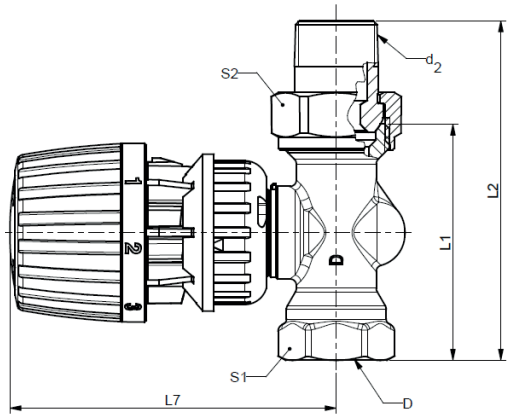
RA-DV DN20 prav i ugaoni ventil / RA 2990 termoglava

Tip	Kodni br.	ISO 7-1			L_1	L_2	L_3	L_4	L_5	L_6	L_7	OK	
		DN	D	d_2								S_1	S_2
RA-DV 20 F ugaoni	013G7715	20	Rp ¾	Rp ¾	-	-	30	63	26	66	117	32	37
RA-DV 20 F prav	013G7716	20	Rp ¾	Rp ¾	65	97	-	-	-	-	103	32	37
RA-DV 20 D ugaoni	013G7725	20	Rp ¾	Rp ¾	-	-	34	67	29	66	117	32	37
RA-DV 20 D prav	013G7726	20	Rp ¾	Rp ¾	74	107	-	-	-	-	103	32	37

Dimenzije



RA-DV ugaoni ventil / RA 2990 termoglava



RA-DV prav ventil / RA 2990 termoglava

Tip	Kodni br.	ISO 7-1			L_1	L_2	L_3	L_4	L_5	L_6	L_7	OK	
		DN	D	d_2								S_1	S_2
RA-DV 10 desni	013G7717	10	Rp ³/₈	R ³/₈	-	-	27	52	27	52	103	22	27
RA-DV 10 levi	013G7718	10	Rp ³/₈	R ³/₈	-	-	27	52	27	52	103	22	27
RA-DV 15 desni	013G7719	15	Rp ½	R ½	-	-	30	58	33	52	103	27	30
RA-DV 15 levi	013G7720	15	Rp ½	R ½	-	-	30	58	33	52	103	27	30
RA-DV 10 ugaoni	013G7721	10	Rp ³/₈	R ³/₈	-	-	26	51	22	64	114	22	27
RA-DV 10 prav	013G7722	10	Rp ³/₈	R ³/₈	58	84	-	-	-	-	102	22	27
RA-DV 15 ugaoni	013G7723	15	Rp ½	R ½	-	-	29	57	26	66	117	27	30
RA-DV 15 prav	013G7724	15	Rp ½	R ½	65	94	-	-	-	-	102	27	30

Napomena! Ako se RAW, RAE ili RAS-C termoglave koriste umesto RA2000 serije L7 mera je veća za 12 mm.

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Danfoss ne prihvata nikakvu odgovornost za moguće greške u katalozima, brošurama i drugim štampanim materijalima. Danfoss zadržava pravo na izmene na svojim proizvodima bez prethodnog upozorenja. Ovo pravo se odnosi i na već naručene proizvode, pod uslovom da te izmene ne menjaju već ugovorene specifikacije. Svi registarski zaštitni znaci u ovom materijalu su vlasništvo (respektivno) odgovarajućih preduzeća Danfoss. Danfoss i svi Danfoss logotipovi su zaštitni znaci kompanije Danfoss A/S. Sva prava zadržana.

ENGINEERING
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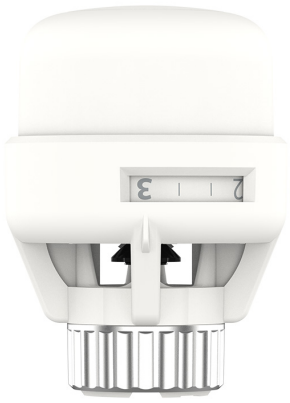
Tehnički list

Danfoss Aero® serija termostatskih senzora sa zaštitom protiv zloupotrebe

Primena



Serija Danfoss Aero® predstavlja obiman asortiman termostatskih senzora vrhunskog kvaliteta proizvedenih u Danskoj.

Verzija termostata Danfoss Aero® sa zaštitom protiv zloupotrebe koristi se za regulaciju temperature prostora u javnim zgradama poput vladinih kancelarija, bolnica, škola i sličnog.

Termostati Danfoss Aero® koriste jedinstvenu tehnologiju punjenja gasom koja omogućava postojanje najbrže reagujućeg termostata bez pomoćne energije na svetu.

Termostat Danfoss Aero® se montira na radijatorski ventil. Termostat i radijatorski ventil zajedno regulišu temperaturu određenog prostora na datu radnu tačku tako što prilagođavaju protok vrele vode kroz radijator.

Verzija Danfoss Aero® termostata sa zaštitom protiv zloupotrebe je je primenjiva u svim vrstama sistema za grejanje zasnovanim na vodi.

Korišćenje Danfoss Aero® termostata punjenih gasom se posebno preporučuje kod instalacija sa malim P-opsegom (1 K).

Serija Danfoss Aero® uključuje:

- termostate sa zaštitom od zloupotrebe i ugrađenim ili daljinskim senzorom za radijatorske ventile i radijatore sa integrisanim ventilima tipa Danfoss RA.

Funkcije:

- gasna tehnologija – najbrža i najpreciznija regulacija temperature,
- preciznost regulacije najviše klase (CA 0,2 K) u skladu sa izmenjenim standardom EN215,
- izdržljiva konstrukcija namenjena industrijskim, komercijalnim i javnim zgradama,
- funkcije za ograničavanje i blokadu radne tačke temperature,
- podešavanje zaštite od smrzavanja,
- zaštita od krađe.

Kvalitet

027

Danfoss Aero® termostatski senzori su sertifikovani u skladu sa standardom SRPS EN 215.

Svi Danfoss radijatorski termostati proizvedeni su u fabrikama i procenila ih je i sertifikovala agencija BVC (Bureau Veritas Certification) u skladu sa standardima ISO 9001 and ISO 14001.

Tehnički list Danfoss Aero® serija sa termostatskim senzorima

Tehnički podaci

Tip	Senzor	Vreme odziva	Uticaj diferencijalnog pritiska (D)	Histereza (C)	Uticaj temperature vode (W)	Preciznost regulacije (CA)
Aero RA	Ugrađeni	12 min	0,30 K	0,40 K	0,45 K	0,2 K

Naručivanje i specifikacije

Tip	Model	Senzor	Kapilarna cev	Opseg podešavanja	Priključak	Nulta blokada	Granični pinovi	Sertifikovano prema standardu SRPS EN215	Kodni broj
Aero RA	Zaštita od zloupotrebe	Ugrađeni		7-28° C	RA		✓	✓	**015G4540**

Pribor

Pribor		Kodni broj
	Granični pinovi za senzore sa zaštitom od zloupotrebe (30 kom.)	**013G1237**
	Priključci protiv krađe (50 kom.)	**013G1232**
	Komplet alata koji sadrži šestougaoni inbus ključ i alat za brave	**013G1236**
	Poklopac za skalu, beli (20 kom.)	**015G4952**

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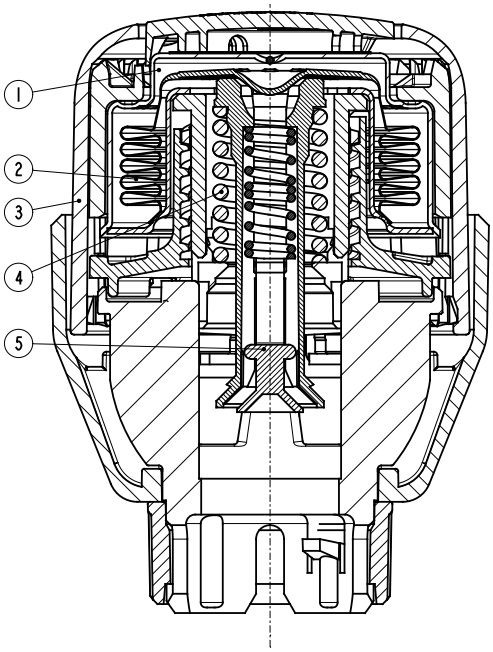
Tehnički list Danfoss Aero® serija sa termostatskim senzorima

Konstrukcija



1 Pogon
2 Meh punjen gasom
3 Ručica za podešavanje
4 Opruga za podešavanje
5 Pritisna osovina

Princip rada

Termostatski senzori predstavljaju proporcionalne regulatore kojima se reguliše isporučena količina toplote na osnovu razlike između temperature podešene na senzoru i temperature okolnog vazduha koju detektuje termostat.

Element termalne ekspanzije (meh) reaguje na temperaturu prostora proporcionalnim širenjem ili skupljanjem. Pokret se prenosi na kontrolni element termostatskog ventila.

Termostatski senzor reguliše količinu vode koja protiče u radijator na odgovarajući nivo protoka neophodan za održavanje temperature prostora na zadatom nivou.

Termostatski senzori serije Danfoss Aero® imaju mehove punjene gasom što obezbeđuje brzo vreme odziva na promenu temperature okoline.

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Tehnički list

Danfoss Aero® serija sa termostatskim senzorima

Podešavanje temperature

Neophodna temperatura prostora se određuje okretanjem točkića za podešavanje. Skale temperature u nastavku pokazuju korelaciju između vrednosti skale i temperature prostora. Navedene vrednosti temperature date su kao samo kao vodič jer će na postignutu temperaturu prostora često uticati uslovi instalacije.

Blokiranje i ograničavanje radne tačne temperature Danfoss Aero® termostata obavlja se pomoću osovinica graničnika koje se postavljaju na poleđinu senzora.

Postupak je opisan u uputstvu.

Danfoss Aero®

Položaj podešavanja

❄	1	2	3	4	5	
7	14	17	20	23	26	°C

Sobna temperatura

❄ = Podešavanje zaštite od smrzavanja

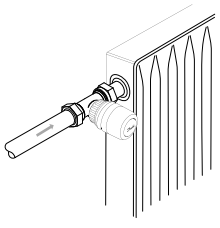
Tehnički list Danfoss Aero® serija sa termostatskim senzorima

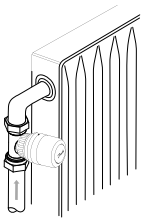
Odaberite pravi senzor

Termostatske senzore treba birati vodeći se sledećim kriterijumima:

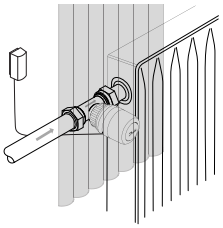
Termostat uvek mora biti u mogućnosti da registruje temperaturu okolnog vazduha.

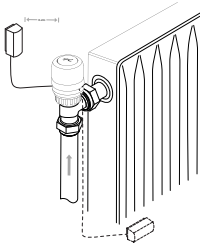
Radijatorski termostati sa ugrađenim senzorima
Njih uvek treba montirati horizontalno tako da okolni vazduh može slobodno da struji preko senzora. Danfoss ne preporučuje da se ugrađeni senzor montira u vertikalnom položaju zato što će uticaj toplote tela ventila i eventualnih površinskih cevi prouzrokovati nepravilan rad termostata.





Radijatorski termostati sa daljinskim senzorom
Njih treba koristiti u sledećim okolnostima:
– zavese pokrivaju termostat,
– na termostat utiču površinske cevi,
– na termostat utiče promaja,
– neophodno je montirati termostat u vertikalnom položaju ako postoje neke obližnje prepreke.





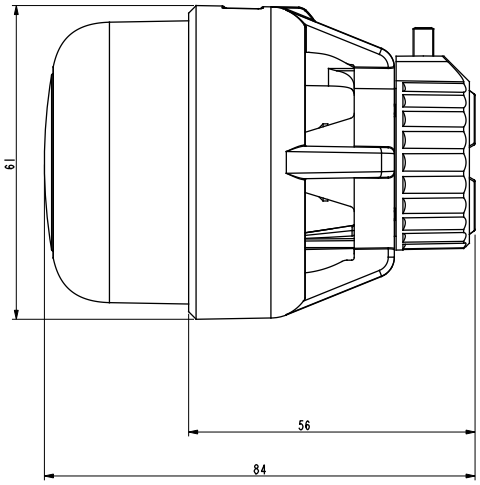
Neophodno je da se daljinski senzor montira na zid, dalje od zavesa ili na lajsnu ispod radijatora ako tu nema površinskih cevi.

Svi daljinski senzori sada imaju izuzetno tanku kapilarnu cev. Jednostavno izvucite na neophodnu dužinu (najviše 2 m) i fiksirajte pomoću obujmica iz kompleta ili posebne heftalice.

Tehnički list Danfoss Aero® serija sa termostatskim senzorima

Dimenzije

Danfoss Aero® RA
Zaštita od zloupotrebe



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Install the **future**

SYSTEM **KAN-therm**

Inox

Plemeniti materijal
Giga mogućnosti

RS 24/11

∅ **12-168,3 mm**

Sadržaj

SYSTEM KAN-therm Inox

Cevi 109
Fitinzi 110
Pribori 123
Alati 125

SYSTEM KAN-therm Inox

Cevi

Cev od nerđajućeg čelika 1.4404 (AISI 316L) - šipka

GRUPA: H

Veličina [mm]	*	Šifra			JM
12×1,0	***	1629194065	6	1014	m
15×1,0		1629194001	6	762	m
18×1,0		1629194002	6	366	m
22×1,2		1629194003	6	762	m
28×1,2		1629194004	6	546	m
35×1,5		1629194005	6	546	m
42×1,5		1629194006	6	546	m
54×1,5		1629194007	6	114	m
76,1×2,0		1629194008	6	144	m
88,9×2,0		1629194009	6	96	m
108×2,0		1629194000	6	78	m
139,7×2,0	**	1629194035	6	60	m
168,3×2,0	**	1629194036	6	54	m

Beleška:
Radni pritisak zavisi od vrste radnog fluida, opsega prečnika i alata koji se koriste za spajanje:
- 15 -168,3 mm do 16 bara (alati sa kleštama sa M profilom). Nije primenljivo na sisteme sa komprimovanim vazduhom - za uslove rada pogledajte "Uputstvo za projektante i izvođače".

Cev od nerđajućeg čelika 1.4521 (AISI 444) - šipka

GRUPA: H

Veličina [mm]	*	Šifra			JM
15×1,0		1629194021	6	762	m
18×1,0		1629194023	6	366	m
22×1,2		1629194025	6	366	m
28×1,2		1629194027	6	222	m
35×1,5		1629194029	6	222	m
42×1,5		1629194031	6	114	m
54×1,5		1629194033	6	114	m
76,1×2,0		1629194066	6	144	m
88,9×2,0		1629194067	6	96	m
108×2,0		1629194068	6	78	m

Beleška:
Radni pritisak zavisi od vrste transportovanog medija, opsega prečnika i alata koji se koriste za spajanje:
- 15-108 mm do 16 šipki (alati sa kleštama sa M profilom). Nije primenljivo na sisteme sa komprimovanim vazduhom - za uslove rada pogledajte "Uputstvo za projektante i izvođače".

Kotur | Šipka | Cevi u tubama | Kesa | Kutija | Paleta | N Novo | ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Fitinzi

Ženska poluspojnica

GRUPA: G

Veličina [mm]	*	Šifra			JM
12 Rp⅜"	***	1609042026	10	50	kom.
12 Rp½"	***	1609042025	10	50	kom.
15 Rp½"		1609042000	10	130	kom.
15 Rp¾"		1609042001	10	90	kom.
18 Rp½"		1609042002	10	120	kom.
18 Rp¾"		1609042003	10	80	kom.
22 Rp½"		1609042005	10	100	kom.
22 Rp¾"		1609042006	10	100	kom.
22 Rp1"		1609042004	10	60	kom.
28 Rp½"		1609042027	10	40	kom.
28 Rp¾"		1609042009	10	40	kom.
28 Rp1"		1609042007	10	60	kom.
28 Rp1¼"		1609042008	10	30	kom.
35 Rp1"		1609042012	10	20	kom.
35 Rp1¼"		1609042011	10	30	kom.
35 Rp1½"		1609042010	10	20	kom.
42 Rp1¼"		1609042014	4	12	kom.
42 Rp1½"		1609042013	4	24	kom.
54 Rp1½"		1609042015	4	12	kom.
54 Rp2"		1609042016	4	12	kom.

Muška poluspojnica

GRUPA: G

Veličina [mm]	*	Šifra			JM
12 R⅜"	***	1609045042	10	50	kom.
12 R½"	***	1609045041	10	50	kom.
15 R½"		1609045004	10	200	kom.
15 R¾"		1609045005	10	80	kom.
18 R½"		1609045006	10	160	kom.
18 R¾"		1609045007	10	100	kom.
22 R½"		1609045009	10	70	kom.
22 R¾"		1609045010	10	100	kom.
22 R1"		1609045008	10	60	kom.
28 R¾"		1609045013	10	50	kom.
28 R1"		1609045012	10	60	kom.
28 R1¼"		1609045011	10	30	kom.
35 R1"		1609045015	10	40	kom.
35 R1¼"		1609045016	5	40	kom.
35 R1½"		1609045014	10	20	kom.
42 R1¼"		1609045018	4	12	kom.
42 R1½"		1609045017	4	24	kom.
54 R1½"		1609045019	4	16	kom.
54 R2"		1609045020	4	12	kom.
76,1 R2½"		1609045002	2	20	kom.
88,9 R3"		1609045003	2	20	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Poluspojnica Inox/Groove

GRUPA: G

Veličina [mm]	*	Šifra			JM
28 / 33,7		1609042030	10	30	kom.
35 / 42,4		1609042031	10	30	kom.
42 / 48,3		1609042032	5	20	kom.
54 / 60,3		1609042033	5	15	kom.
76,1		1609042034	2	30	kom.
88,9		1609042035	2	30	kom.
108 / 114		1609042028	2	30	kom.

Ženski klizni konektor

GRUPA: G

Veličina [mm]	*	Šifra			JM
22 Rp½"		1609042037	10	60	kom.
22 Rp¾"		1609042038	10	60	kom.
28 Rp½"		1609042039	10	40	kom.
28 Rp¾"		1609042040	10	40	kom.

Ženska holenderska poluspojnica

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 Rp½"		1609271000	2	60	kom.
15 Rp¾"		1609271001	2	40	kom.
18 Rp½"		1609271002	2	40	kom.
18 Rp¾"		1609271003	2	40	kom.
22 Rp¾"		1609271010	2	40	kom.
22 Rp1"		1609271004	2	30	kom.
28 R1"		1609271011	2	26	kom.
35 R1¼"		1609271012	1	20	kom.
42 R1½"		1609271013	2	8	kom.
54 Rp2"		1609271009	2	4	kom.

Muška holenderska poluspojnica

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 R½"		1609272000	2	50	kom.
15 R¾"		1609272011	2	60	kom.
18 R½"		1609272012	2	60	kom.
18 R¾"		1609272003	2	60	kom.
22 R½"		1609272005	2	40	kom.
22 R¾"		1609272013	2	40	kom.
22 R1"		1609272004	2	30	kom.
28 R1"		1609272014	2	30	kom.
35 R1¼"		1609272015	2	16	kom.
42 R1½"		1609272009	2	12	kom.
54 R2"		1609272016	2	4	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Vezna spojka

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609271021	2	50	kom.
18		1609271022	2	60	kom.
22		1609271023	2	40	kom.
28		1609271024	2	30	kom.
35		1609271025	1	16	kom.
42		1609271026	2	12	kom.
54		1609271027	2	4	kom.

Ženska holenderska poluspojnica

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 G¾"		1609271014	10	120	kom.
18 G¾"		1609271015	10	100	kom.
22 G1"		1609271016	10	60	kom.
28 G1¼"		1609271017	10	40	kom.
35 G1½"		1609271018	4	32	kom.
42 G1¼"		1609271019	4	12	kom.
54 G2⅜"		1609271020	4	8	kom.

Ravna spojnica

GRUPA: G

Veličina [mm]	*	Šifra			JM
12	***	1609245002	10	70	kom.
15		1609245003	10	140	kom.
18		1609245004	10	140	kom.
22		1609245012	10	80	kom.
28		1609245013	10	60	kom.
35		1609245014	5	40	kom.
42		1609245015	4	24	kom.
54		1609245016	4	16	kom.
76,1		1609245010	4	24	kom.
88,9		1609245011	4	8	kom.
108		1609245000	2	10	kom.
139,7	**	1609245017	-	1	kom.
168,3	**	1609245018	-	1	kom.

Klizna spojnica

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609080001	10	140	kom.
18		1609080002	10	100	kom.
22		1609080003	10	60	kom.
28		1609080004	10	40	kom.
35		1609080005	5	20	kom.
42		1609080010	4	16	kom.
54		1609080007	2	8	kom.
76,1		1609080008	2	2	kom.
88,9		1609080009	2	2	kom.
108		1609080000	2	2	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Koleno 90°

GRUPA: G

Veličina [mm]	*	Šifra			JM
12	***	1609068149	10	70	kom.
15		1609068150	10	150	kom.
18		1609068151	10	90	kom.
22		1609068152	10	60	kom.
28		1609068115	5	30	kom.
35		1609068153	5	20	kom.
42		1609068154	2	8	kom.
54		1609068155	2	8	kom.
76,1		1609068125	2	12	kom.
88,9		1609068128	2	8	kom.
108		1609068107	2	4	kom.
139,7	**	1609068156	-	1	kom.
168,3	**	1609068157	-	1	kom.

Jednostruko koleno sa ravnim krajem 90°

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609068143	10	120	kom.
18		1609068144	10	60	kom.
22		1609068133	5	60	kom.
28		1609068145	5	30	kom.
35		1609068146	5	10	kom.
42		1609068147	2	8	kom.
54		1609068148	2	6	kom.
76,1		1609068139	2	10	kom.
88,9		1609068141	2	8	kom.
108		1609068130	-	1	kom.
N 139,7	*	1609068194	-	1	kom.
N 168,3	*	1609068195	-	1	kom.

Koleno 45°

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609068079	10	150	kom.
18		1609068080	10	120	kom.
22		1609068051	10	70	kom.
28		1609068052	10	40	kom.
35		1609068081	5	25	kom.
42		1609068082	2	16	kom.
54		1609068083	2	8	kom.
76,1		1609068057	-	8	kom.
88,9		1609068059	-	2	kom.
108		1609068048	2	2	kom.
139,7	**	1609068084	-	1	kom.
168,3	**	1609068085	-	1	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Jednostruko koleno sa ravnim krajem 45°

GRUPA: G

	Veličina [mm]	*	Šifra			JM
	15		1609068073	10	150	kom.
	18		1609068074	10	120	kom.
	22		1609068075	10	60	kom.
	28		1609068076	10	40	kom.
	35		1609068066	5	25	kom.
	42		1609068077	4	16	kom.
	54		1609068078	2	8	kom.
	76,1		1609068070	-	16	kom.
	88,9		1609068072	-	8	kom.
	108		1609068061	2	4	kom.
N	139,7	*	1609068192	-	1	kom.
N	168,3	*	1609068193	-	1	kom.

T-komad

GRUPA: G

	Veličina [mm]	*	Šifra			JM
	12	***	1609257045	10	60	kom.
	15		1609257002	10	80	kom.
	18		1609257046	10	40	kom.
	22		1609257005	10	40	kom.
	28		1609257047	5	25	kom.
	35		1609257048	5	15	kom.
	42		1609257049	4	8	kom.
	54		1609257050	2	6	kom.
	76,1		1609257010	2	6	kom.
	88,9		1609257011	2	6	kom.
	108		1609257000	-	2	kom.
	139,7	**	1609257001	-	1	kom.
	168,3	**	1609257003	-	1	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Redukcioni T-komad

GRUPA: G

Veličina [mm]	*	Šifra			JM
18 / 15 / 18		1609260014	10	60	kom.
22 / 15 / 22		1609260046	10	50	kom.
22 / 18 / 22		1609260047	10	50	kom.
28 / 15 / 28		1609260048	5	30	kom.
28 / 18 / 28		1609260049	10	30	kom.
28 / 22 / 28		1609260050	5	30	kom.
35 / 15 / 35		1609260020	5	20	kom.
35 / 18 / 35		1609260021	5	20	kom.
35 / 22 / 35		1609260022	5	20	kom.
35 / 28 / 35		1609260051	5	20	kom.
42 / 22 / 42		1609260024	4	12	kom.
42 / 28 / 42		1609260052	4	12	kom.
42 / 35 / 42		1609260053	4	12	kom.
54 / 22 / 54		1609260054	2	8	kom.
54 / 28 / 54		1609260030	2	8	kom.
54 / 35 / 54		1609260055	2	8	kom.
54 / 42 / 54		1609260032	2	8	kom.
76,1 / 22 / 76,1		1609260035	-	2	kom.
76,1 / 28 / 76,1		1609260036	-	2	kom.
76,1 / 35 / 76,1		1609260037	2	10	kom.
76,1 / 42 / 76,1		1609260038	2	2	kom.
76,1 / 54 / 76,1		1609260039	2	2	kom.
88,9 / 22 / 88,9		1609260040	-	2	kom.
88,9 / 28 / 88,9		1609260041	-	2	kom.
88,9 / 35 / 88,9		1609260042	-	2	kom.
88,9 / 42 / 88,9		1609260043	2	2	kom.
88,9 / 54 / 88,9		1609260044	-	8	kom.
88,9 / 76,1 / 88,9		1609260045	2	2	kom.
108 / 22 / 108		1609260000	-	2	kom.
108 / 28 / 108		1609260001	-	2	kom.
108 / 35 / 108		1609260002	-	4	kom.
108 / 42 / 108		1609260003	-	2	kom.
108 / 54 / 108		1609260004	-	2	kom.
108 / 76,1 / 108		1609260005	-	2	kom.
108 / 88,9 / 108		1609260006	-	2	kom.
139,7 / 76,1 / 139,7	**	1609260008	-	1	kom.
139,7 / 88,9 / 139,7	**	1609260009	-	1	kom.
139,7 / 108 / 139,7	**	1609260007	-	1	kom.
168,3 / 76,1 / 168,3	**	1609260012	-	1	kom.
168,3 / 88,9 / 168,3	**	1609260013	-	1	kom.
168,3 / 108 / 168,3	**	1609260010	-	1	kom.
168,3 / 139,7 / 168,3	**	1609260011	-	1	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Redukcija sa ravnim krajem

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 / 12	***	1609220000	10	200	kom.
18 / 15		1609221003	10	200	kom.
22 / 15		1609221023	10	140	kom.
22 / 18		1609221024	10	120	kom.
28 / 15		1609221025	10	70	kom.
28 / 18		1609221007	10	100	kom.
28 / 22		1609221026	10	80	kom.
35 / 15		1609221027	5	50	kom.
35 / 18		1609221028	5	50	kom.
35 / 22		1609221029	5	50	kom.
35 / 28		1609221030	5	60	kom.
42 / 15		1609221031	5	30	kom.
42 / 18		1609221032	5	30	kom.
42 / 22		1609221033	4	24	kom.
42 / 28		1609221034	4	24	kom.
42 / 35		1609221035	4	24	kom.
54 / 15		1609221036	4	16	kom.
54 / 18		1609221037	4	16	kom.
54 / 22		1609221015	4	16	kom.
54 / 28		1609221016	4	16	kom.
54 / 35		1609221038	4	16	kom.
54 / 42		1609221039	4	16	kom.
76,1 / 42		1609221019	4	4	kom.
76,1 / 54		1609221020	4	32	kom.
88,9 / 54		1609221021	4	4	kom.
88,9 / 76,1		1609221022	4	4	kom.
108 / 54		1609221000	2	2	kom.
108 / 76,1		1609221001	2	2	kom.
108 / 88,9		1609221002	2	10	kom.
139,7 / 108	**	1609221041	-	1	kom.
139,7 / 108	**	1609221040	-	1	kom.
168,3 / 88,9	**	1609221044	-	1	kom.
168,3 / 108	**	1609221042	-	1	kom.
168,3 / 139,7	**	1609221043	-	1	kom.

Žensko koleno 90°

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 Rp½"		1609068000	10	80	kom.
18 Rp½"		1609068001	10	90	kom.
22 Rp½"		1609068003	10	50	kom.
22 Rp¾"		1609068002	10	50	kom.
28 Rp½"		1609068009	5	30	kom.
28 Rp¾"		1609068005	5	30	kom.
28 Rp1"		1609068008	10	30	kom.
35 Rp½"		1609068011	5	10	kom.
35 Rp¾"		1609068007	5	10	kom.
35 Rp1"		1609068010	5	10	kom.
35 Rp1¼"		1609068012	5	10	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Žensko koleno 90° s ravnim krajem

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 Rp½"		1609068013	10	40	kom.

Muško koleno 90°

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 R½"		1609070000	10	80	kom.
18 R½"		1609070002	10	80	kom.
22 R¾"		1609070004	10	60	kom.
28 R1"		1609070005	10	30	kom.
35 R1¼"		1609070006	5	20	kom.
42 R1½"		1609070009	2	16	kom.
54 R2"		1609070010	2	8	kom.

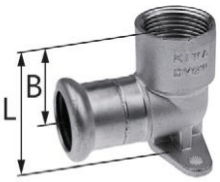
Ženski T-komad

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 Rp½"		1609257014	10	70	kom.
18 Rp½"		1609257015	10	50	kom.
18 Rp¾"		1609257016	10	50	kom.
22 Rp½"		1609257017	10	40	kom.
22 Rp¾"		1609257018	10	40	kom.
28 Rp½"		1609257038	5	30	kom.
28 Rp¾"		1609257039	10	30	kom.
28 Rp1"		1609257019	5	30	kom.
35 Rp½"		1609257040	5	20	kom.
35 Rp¾"		1609257041	5	20	kom.
35 Rp1"		1609257022	5	20	kom.
42 Rp½"		1609257027	4	16	kom.
42 Rp¾"		1609257042	4	12	kom.
42 Rp1"		1609257026	4	12	kom.
54 Rp½"		1609257031	2	8	kom.
54 Rp¾"		1609257044	2	8	kom.
54 Rp1"		1609257030	2	8	kom.
54 Rp2"		1609257043	2	6	kom.
76,1 Rp¾"		1609257035	-	12	kom.
76,1 Rp2"		1609257034	-	2	kom.
88,9 Rp¾"		1609257037	-	2	kom.
88,9 R2"		1609257036	-	2	kom.
108 Rp¾"		1609257013	-	6	kom.
108 Rp2"		1609257012	-	2	kom.
N 139,7 Rp¾"	*	1609257063	-	1	kom.
N 139,7 Rp2"	*	1609257064	-	1	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

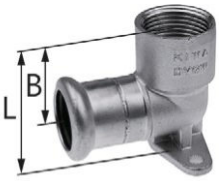


Žensko zidno koleno - L = 41 mm

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 Rp½"		**1609285009**	10	90	kom.

Beleška:
B = 28 mm.

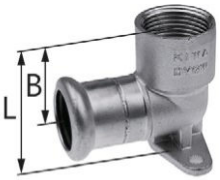


Žensko zidno koleno - L = 44 mm

GRUPA: G

Veličina [mm]	*	Šifra			JM
18 Rp½"		**1609285002**	10	80	kom.

Beleška:
B = 28 mm.



Žensko zidno koleno - L = 52 mm

GRUPA: G

Veličina [mm]	*	Šifra			JM
22 Rp¾"		**1609285003**	10	50	kom.

Beleška:
B = 33 mm.

Žensko zidno koleno - L = 63 mm

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 Rp½"		**1609285004**	20	40	kom.
18 Rp½"		**1609285007**	20	40	kom.

Beleška:
Veličina B = 28 mm.

Žensko zidno koleno - L = 64 mm

GRUPA: G

Veličina [mm]	*	Šifra			JM
22 Rp¾"		**1609285008**	10	40	kom.

Beleška:
Veličina B = 33 mm.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Aksijalni kompenzator

GRUPA: G

	Veličina [mm]	*	Šifra			JM
N	15		1609037002	10	60	kom.
N	18		1609037004	10	60	kom.
N	22		1609037005	5	30	kom.
N	28		1609037007	5	20	kom.
N	35		1609037008	4	16	kom.
N	42		1609037010	2	12	kom.
N	54		1609037011	2	4	kom.

Beleška:
Garancija je obezbeđena za 1000 ciklusa rada kada se koristi kako je predviđeno.
Aksijalni kompenzator je pogodan samo za apsorpciju aksijalnih pomeranja cevovoda.

Aksijalni kompenzator

GRUPA: G

	Veličina [mm]	*	Šifra			JM
N	76,1		1609037013	2	2	kom.
N	88,9		1609037014	2	2	kom.
N	108		1609037000	2	2	kom.

Beleška:
Garancija je obezbeđena za 1000 ciklusa rada kada se koristi kako je predviđeno.
Aksijalni kompenzator je pogodan samo za apsorpciju aksijalnih pomeranja cevovoda.

Obilazak

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609178000	10	80	kom.
18		1609178001	10	50	kom.
22		1609178002	10	50	kom.
28		1609178003	10	20	kom.

Prevoj 15°

GRUPA: G

Veličina [mm]	*	Šifra			JM
28		1609011002	10	40	kom.
35		1609011003	5	15	kom.
42		1609011004	2	20	kom.
54		1609011005	2	10	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Prevoj 30°

GRUPA: G

Veličina [mm]	*	Šifra			JM
28		1609011009	10	40	kom.
35		1609011008	4	12	kom.
42		1609011010	2	20	kom.
54		1609011011	2	8	kom.

Prevoj 60°

GRUPA: G

Veličina [mm]	*	Šifra			JM
28		1609011014	5	30	kom.
35		1609011015	4	12	kom.
42		1609011016	5	5	kom.
54		1609011017	2	6	kom.

Prevoj 90°

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609011018	10	70	kom.
18		1609011019	10	50	kom.
22		1609011025	10	30	kom.
28		1609011026	5	20	kom.
35		1609011027	4	8	kom.
42		1609011028	2	4	kom.
54		1609011029	-	2	kom.

Čep

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609250002	20	80	kom.
18		1609250004	20	300	kom.
22		1609250006	10	150	kom.
28		1609250020	10	130	kom.
35		1609250010	5	75	kom.
42		1609250012	4	48	kom.
54		1609250021	4	24	kom.
76,1		1609250016	2	4	kom.
88,9		1609250018	2	4	kom.
108		1609250000	2	4	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Kuglični ventil

GRUPA: G

	Veličina [mm]	*	Šifra			JM
N	15		1609278000	1	25	kom.
N	18		1609278001	1	25	kom.
N	22		1609278002	1	15	kom.
N	28		1609278003	1	10	kom.
N	35		1609278004	1	10	kom.
N	42		1609278005	1	7	kom.
N	54		1609278006	1	5	kom.

Kugla je izrađena od nerđajućeg čelika 1.4401.
Maksimalni radni pritisak 16 bara.
5 -godišnja garancija.

Kuglični ventil sa ženskim holenderskim poluspojem

GRUPA: G

	Veličina [mm]	*	Šifra			JM
N	15 G¾"		1609278007	1	25	kom.
N	18 G¾"		1609278008	1	25	kom.
N	22 G¾"		1609278009	1	15	kom.
N	28 G1¼"		1609278010	1	10	kom.
N	35 G1½"		1609278011	1	10	kom.
N	42 G1¾"		1609278012	1	7	kom.
N	54 G2¼"		1609278013	1	5	kom.

Kugla je izrađena od nerđajućeg čelika 1.4401.
Maksimalni radni pritisak 16 bara.
5 -godišnja garancija.

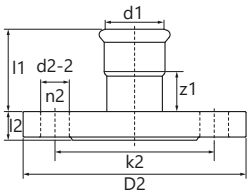
Prirubnički adapter

GRUPA: G

Veličina [mm]	*	Šifra			JM
15 R1⅛"		1609090001	20	100	kom.
15 R1½"		1609090000	20	100	kom.
18 R1¼"		1609090011	20	100	kom.
18 R1½"		1609090010	20	100	kom.
22 R1¼"		1609090005	20	80	kom.
22 R1½"		1609090004	20	80	kom.
22 R1½"		1609090006	20	80	kom.
35 R2"		1609090007	10	30	kom.
42 R2¼"		1609090008	10	30	kom.
54 R2¾"		1609090012	5	20	kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha



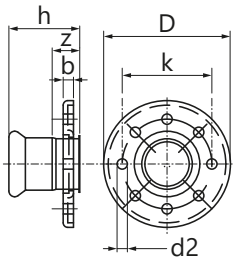
Prirubnica PN16

GRUPA: G

Veličina [mm]	*	Šifra			JM
15		1609091004	1	15	kom.
18		1609091005	1	15	kom.
22		1609091006	1	12	kom.
28		1609091007	1	12	kom.
35		1609091001	1	6	kom.
42		1609091008	1	4	kom.
54		1609091009	1	2	kom.
76,1		1609091002	1	2	kom.
88,9		1609091003	1	2	kom.
108		1609091000	1	2	kom.

Beleška:
Ravnu zaptivku dovršite sami.

Šifra	Veličina	l1	l2	z1	k2	D2	d2–2	n2
1609091004	15 DN15 PN16	43	13	23	65	95	14	4
1609091005	18 DN15 PN16	44	13	24	65	95	14	4
1609091006	22 DN20 PN16	45	14	24	75	105	14	4
1609091007	28 DN25 PN16	49	16	26	85	115	14	4
1609091001	35 DN32 PN16	51	17	26	100	140	18	4
1609091008	42 DN40 PN16	59	18	29	110	150	18	4
1609091009	54 DN50 PN16	69	18	34	125	165	18	4
1609091002	76,1 DN65 PN16	108	18	53	145	185	18	4
1609091003	88,9 DN80 PN16	127	20	64	160	200	18	8
1609091000	108 DN100 PN16	147	20	70	180	220	18	8



Prirubnica PN16

GRUPA: G

Veličina [mm]	*	Šifra			JM
139,7	**	1609091010	-	1	kom.
168,3	**	1609091011	-	1	kom.

Beleška:
Ravnu zaptivku dovršite sami.

Šifra	Veličina	D	k	b	d2	h	z	n2
1609091010	139,7 DN125 PN16	250	210	22	18	138	41	8
1609091011	168,3 DN150 PN16	285	240	24	22	171	54	8

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Pribori

Plastični čep za transport cevi

GRUPA: I

	Veličina [mm]	*	Šifra		JM
N	15		2141183000	2000	kom.
N	18		2141183001	2000	kom.
N	22		2141183002	2000	kom.
N	28		2141183003	2000	kom.
N	35		2141183004	2000	kom.
N	42		2141183005	1000	kom.
N	54		2141183006	500	kom.

O-prsten LBP EPDM Steel/Inox

GRUPA: I

Veličina [mm]	*	Šifra			JM
12	*	1509182021	20	1000	kom.
15		1509182022	20	600	kom.
18		1509182023	20	500	kom.
22		1509182024	20	500	kom.
28		1509182025	20	400	kom.
35		1509182026	20	400	kom.
42		1509182027	20	300	kom.
54		1509182028	20	300	kom.

Beleška:
O-prsteni LBP EPDM mogu se koristiti u KAN-therm Steel i Inox sistemima.

O-prsten LBP FPM Viton Steel/Inox

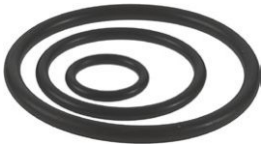
GRUPA: I

Veličina [mm]	*	Šifra			JM
15		1509182030	20	600	kom.
18		1509182029	20	500	kom.
22		1509182031	20	500	kom.
28		1509182032	20	400	kom.
35		1509182033	20	400	kom.
42		1509182034	20	300	kom.
54		1509182035	20	300	kom.

Beleška:
O-prsteni LBP FPM/Viton mogu se koristiti u KAN-therm Steel i Inox sistemima.
Ne koristiti u instalacijama za toplu vodu.

O-prsten EPDM Steel/Inox

GRUPA: I

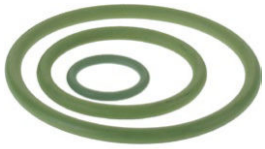


Veličina [mm]	*	Šifra			JM
76,1		1609182023	5	100	kom.
88,9		1609182024	5	100	kom.
108		1609182025	5	50	kom.
139,7		1609182016	-	1	kom.
168,3		1609182017	-	1	kom.

Beleška:
O-Ringi 76,1-108 se mogu koristiti u KAN-therm Steel i Inox sistemima.
O-Ring 66,7 se koristi samo za KAN-therm Steel fitinge.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha



O-prsten FPM Viton Steel/Inox

GRUPA: I

Veličina [mm]	*	Šifra			JM
76,1		1609182020	5	100	kom.
88,9		1609182021	5	100	kom.
108		1609182022	5	50	kom.
139,7	**	1609182018	-	1	kom.
168,3	**	1609182019	-	1	kom.

Beleška:
O-Ringi 76,1-108 se mogu koristiti u KAN-therm Steel i Inox sistemima.
O-Ring 66,7 se koristi samo za KAN-therm Steel fitinge.
Ne koristiti u instalacijama za toplu vodu.

Ravna zaptivka FPM Viton Steel/Inox

GRUPA: I

Veličina [mm]	*	Šifra			JM
15-18		1509237000	20	500	kom.
22		1509237001	20	500	kom.
28		1509237002	20	400	kom.
35		1509237003	20	400	kom.
42		1509237004	20	300	kom.
54		1509237005	20	300	kom.

Beleška:
Zaptivka za spojeve i poluspojeve KAN-therm Steel i Inox sistema.
Ne koristiti u instalacijama za toplu vodu.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Alati

Kružni nož za cevi

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-54		1948267025	1	kom.
35-108		1948267027	1	kom.

Rezni točak

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-108		1941267037	1	kom.

Namenjen za cevi, šifre 1948267025, 1948267027.

Aparat za sečenje cevi

GRUPA: K

Raspon [mm]	*	Šifra		JM
22-108		1948183001	1	kom.

Beleška:
Set uključuje rezni točak.

Aparat za sečenje cevi

GRUPA: K

Raspon [mm]	*	Šifra		JM
54-168,3		1948267034	1	kom.

Beleška:
Set ne uključuje rezni točak.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Rezni točak za aparat za sečenje cevi

GRUPA: K

Raspon [mm]	*	Šifra		JM
22-168,3		1941267041	1	kom.

Namenjen za aparat za sečenje cevi, šifre 1948183001, 1948267034.

Nosač cevi za aparat za sečenje

GRUPA: K

	*	Šifra		JM
		1948267029	1	kom.

Skidač ivica za metalne cevi

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-54		1948267015	1	kom.

Set alata - skidač ivica i valjkasti rezač

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-54	*	1948267023	1	set

Svaki set uključuje:
- 1948267025 - skidač ivica za čelične cevi 12-54 mm,
- 1948267015 - kružni nož 12-54 mm,
- 1941267129 - kofer.

Set alata - KAN-therm Mini baterijski alat za presovanje + "M" profil čeljust

GRUPA: K

Raspon [mm]	*	Šifra		JM
N 15-28		1936055009	1	kom.

Svaki set uključuje:
- 1936055008 - KAN-therm Mini baterijski alat za presovanje - 1 kom.,
- 1936267278 - klešta za presovanje SBM M15 - 1 kom.,
- 1936267279 - klešta za presovanje SBM M18 - 1 kom.,
- 1936267280 - klešta za presovanje SBM M22 - 1 kom.,
- 1936267282 - klešta za presovanje SBM M28 - 1 kom.,
- 1967267051 - baterija RAML1225 Li-Ion 10,8 V 2,5 Ah - 2 kom.,
- 1967267024 - punjač LGML1 ~230 V 35 W - 1 kom.,
- kofer - 1 kom.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

KAN-therm AC 3000 električni alat za presovanje

GRUPA: K

	Raspon [mm]	*	Šifra		JM
N	12-54		1936267239	1	kom.

Beleška:
Alat za presovanje se prodaje u kovčegu.

KAN-therm DC 4000 baterijski alat za presovanje

GRUPA: K

	Raspon [mm]	*	Šifra		JM
N	12-54		1936267238	1	kom.

Beleška:
Alat za presovanje se prodaje sa baterijom, punjačem i koferom.

Punjač za KAN-therm DC 4000 baterijski alat za presovanje

GRUPA: K

	Verzija	*	Šifra		JM
N	10,8-36 V		1936267267	1	kom.

Baterija za KAN-therm DC 4000 alat za presovanje

GRUPA: K

	Verzija	*	Šifra		JM
N	18 V / 4 Ah		1936267266	1	kom.

KAN-therm "M" profil čeljust

GRUPA: K

	Veličina [mm]	*	Šifra		JM
N	12		1936267248	1	kom.
N	15		1936267249	1	kom.
N	18		1936267250	1	kom.
N	22		1936267251	1	kom.
N	28		1936267252	1	kom.
N	35		1936267253	1	kom.

Beleška:
Klešta rade sa KAN-therm: AC 3000, DC 4000 alatima.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

KAN-therm "M" profil čeljust

GRUPA: K

	Veličina [mm]	*	Šifra		JM
N	42		1936267283	1	kom.
N	54		1936267284	1	kom.

Beleška:
Koristite KAN-therm "M" profilne čeljusti kragne sa KAN-therm ZBS1 adapterom za KAN-therm pres alate AC 3000, DC 4000.

Adapter ZBS1 za KAN-therm "M" tip kragnu

GRUPA: K

	Raspon [mm]	*	Šifra		JM
N	42 - 54		1936267285	1	kom.

Beleška:
Koristite adapter ZBS1 KAN-therm za KAN-therm pres alate AC 3000, DC 4000.

REMS Power-Press ACC električni alat za presovanje

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-54		1936267219	1	kom.

Beleška:
Alat za presovanje se prodaje sa koferom.
Komplet ne uključuje čeljusti.

REMS Pover-Press SE Basic Pack električni alat za presovanje

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-54		1936267160	1	kom.

Beleška:
Alat za presovanje se prodaje sa koferom.
Komplet ne uključuje čeljusti.

REMS Akku Press baterijski alat za presovanje

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-54		1936267152	1	kom.

Beleška:
Alat za presovanje se prodaje sa baterijom, punjačem i koferom.
Komplet ne uključuje čeljusti.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

REMS "M" profil čeljust

GRUPA: K

Veličina [mm]	*	Šifra		JM
12		1948267046	1	kom.
15		1948267048	1	kom.
18		1948267052	1	kom.
22		1948267056	1	kom.
28		1948267061	1	kom.
35		1948267065	1	kom.
42		1948267067	1	kom.
54		1948267069	1	kom.

Beleška:
Klešta rade sa KAN-therm Power-Press SE, Akku-Press, Power-Press ACC alatima.

Set REMS "M" profil čeljust

GRUPA: K

Raspon [mm]	*	Šifra		JM
42-54		1948267130	1	set

Svaki set uključuje:
- 1948267067 - klešta tipa "M" prečnika od 42 mm,
- 1948267069 - klešta tipa "M" prečnika od 54 mm,
- kofer.

Klešta rade sa Power-Press SE, Akku-Press, Power-Press ACC alatima.

REMS set alata - električni alat za presovanje Pover-Press SE i profilne klešte tipa "M"

GRUPA: K

Raspon [mm]	*	Šifra		JM
15-35		1948267033	1	set

Svaki set uključuje:
- 1936267160 - električni alat za presovanje REMS Power-Press SE,
- 1948267048 - klešta tipa "M" prečnika od 15 mm,
- 1948267052 - klešta tipa "M" prečnika od 18 mm,
- 1948267056 - klešta tipa "M" prečnika od 22 mm,
- 1948267061 - klešta tipa "M" prečnika od 28 mm,
- 1948267065 - klešta tipa "M" prečnika od 35 mm,
- kovčeg.

Novopress set alata - ACO103 BT baterijski alat za presovanje + profilna klešta tipa "M"

GRUPA: K

Raspon [mm]	*	Šifra		JM
15-28	*	1948055008	1	kom.

Svaki set uključuje:
- baterijski alat za presovanje - 1 kom.,
- 1948267093 - klešta M15 za alat za presovanje - 1 kom.,
- 1948267095 - klešta M18 za alat za presovanje - 1 kom.,
- 1942121002 - klešta M22 za alat za presovanje - 1 kom.,
- 1948267097 - klešta M28 za alat za presovanje - 1 kom.,
- 1938267047 - punjač - 1 kom.,
- 1938267002 - baterija 2 Ah - 2 kom.,
- kovčeg.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Novopress EFP203 električni alat za presovanje

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-54		1948267210	1	kom.

Beleška:
Alat za presovanje se prodaje sa plastičnim koferom.

Novopress ACO203XL BT alat za presovanje

GRUPA: K

Raspon [mm]	*	Šifra		JM
12-108		1948267181	1	kom.

Svaki set uključuje :
- baterijski alat za presovanje - 1 kom.,
- baterija 18 V / 5,0 Ah Li -Ion Milwaukee - 2 kom.,
- punjač - 1 kom.,
- mazivo - 1 kom.,
- plastični kovčeg.

Novopress PB2 "M" profil čeljust

GRUPA: K

Veličina [mm]	*	Šifra		JM
12		1948267134	1	kom.
15		1948267135	1	kom.
18		1948267137	1	kom.
22		1948267139	1	kom.
28		1948267141	1	kom.
35		1948267143	1	kom.

Beleška:
Ove klešta rade sa EFP203 and ACO203XL alatima.

Novopress Snap On "M" profil čeljust

GRUPA: K

Veličina [mm]	*	Šifra		JM
42		1948267119	1	kom.
54		1948267121	1	kom.
66,7	*	1948267089	1	kom.
76,1		1948267145	1	kom.
88,9		1948267044	1	kom.
108		1948267038	1	kom.

Beleška:
Koristite klešta prečnika 66,7, 76,1 i 88,9 mm sa adapterom ZB221 za ACO203XL.
Koristite kleštu prečnika 66,7 mm sa adapterom ZB323 za ECO301.
Koristite kleštu prečnika 108 mm sa adapterom ZB221 i ZB222 za ACO203XL.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

HP Snap On "M" profil čeljust Novopress ECO301, ACO203XL, EFP203

GRUPA: K

Veličina [mm]	*	Šifra		JM
35	*	1948267124	1	kom.
42	*	1948267126	1	kom.
54	*	1948267128	1	kom.

Beleška:
Klešta prečnika 35-54 mm sa ECO301 alatom za presovanje koristite sa ZB303 adapterom.
Klešta prečnika 35-54 mm sa ACO203XL i EFP203 alatom za stezanje koristite sa ZB203 adapterom.
Kod presa ACO203XL i EPF203, ne koristite čeljust 54 za povezivanje sa KAN-therm Inox sistemskim cevima (1.4404 i 1.4521) prečnika 54 mm.

Novopress ZB203 adapter

GRUPA: K

Raspon [mm]	*	Šifra		JM
35-54		1948267000	1	kom.

Beleška:
Adapter za EFP203 i ACO203XL drajvove.
ultraPRESS: 50-63 mm.
Steel i Inok: 35-54 mm.
Copper: 42-54 mm.

Novopress ZB221 Adapter

GRUPA: K

Raspon [mm]	*	Šifra		JM
66,7-108		1948267005	1	kom.

Beleška:
Adapter za ACO203XL drajv.
Za prečnik od 108 mm, adapter ZB221 sekoristi za izvedbu prvog stezanje, i adapter ZB222 za drugo stezanje.

Novopress ZB222 Adapater

GRUPA: K

Raspon [mm]	*	Šifra		JM
66,7-108		1948267007	1	kom.

Beleška:
Adapter za ACO203XL drajv.
Za prečnik od 108 mm, adapter ZB221 sekoristi za izvedbu prvog stezanje, i adapter ZB222 za drugo stezanje.

Novopress ACO403 baterijski alat za presovanje

GRUPA: K

Raspon [mm]	*	Šifra		JM
76,1-168,3		1948267209	1	kom.

Svaki set uključuje :
- baterijski alat za presovanje - 1 kom.,
- baterija 18 V / 5,0 Ah Li -Ion Milwaukee - 2 kom.,
- punjač - 1 kom.,
- mazivo - 1 kom.,
- plastični kovčeg.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta N Novo ! Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

Novopress HP "M" profil čeljust

GRUPA: K

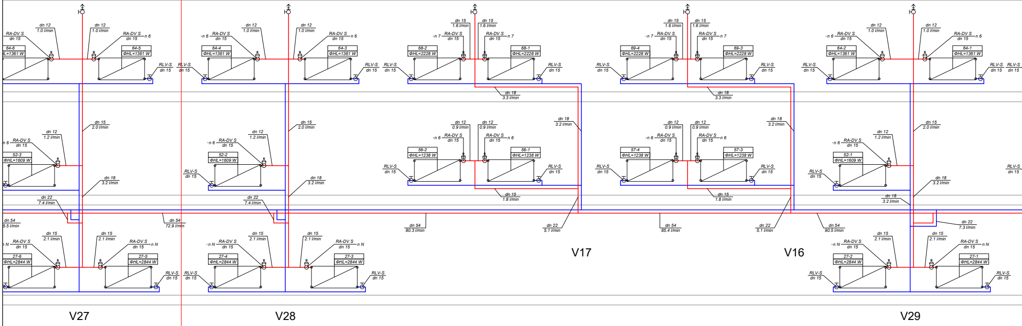
Veličina [mm]	*	Šifra		JM
76,1	*	1948267100	1	kom.
88,9	*	1948267102	1	kom.
108	*	1948267098	1	kom.
139,7		1948267071	1	kom.
168,3		1948267072	1	kom.

Beleška:
Klešta rade sa ACO401 i ACO403 alatima.

Kotur Šipka Cevi u tubama Kesa Kutija Paleta Novo Uskoro dostupno

* na zahtev (vreme isporuke do 5 nedelje) | ** dostupnost po pojedinačnom dogovoru | *** do isteka zaliha

GRANA 1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64-5
64-4
64-3
68-2
68-1
69-4
69-3
64-2
64-1
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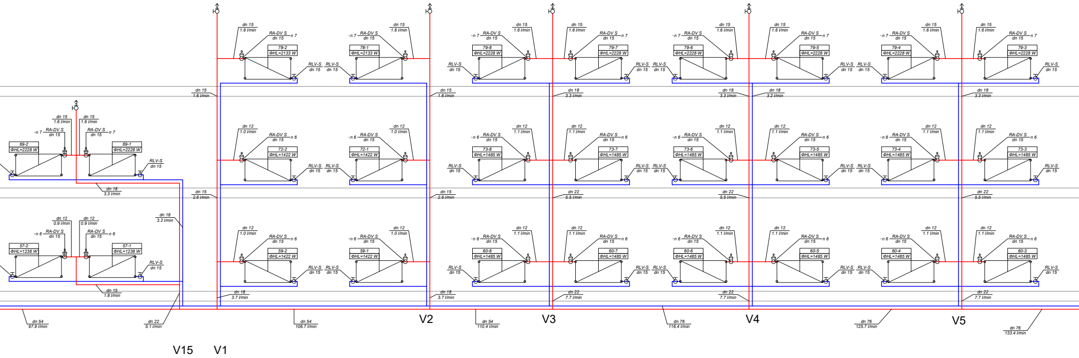
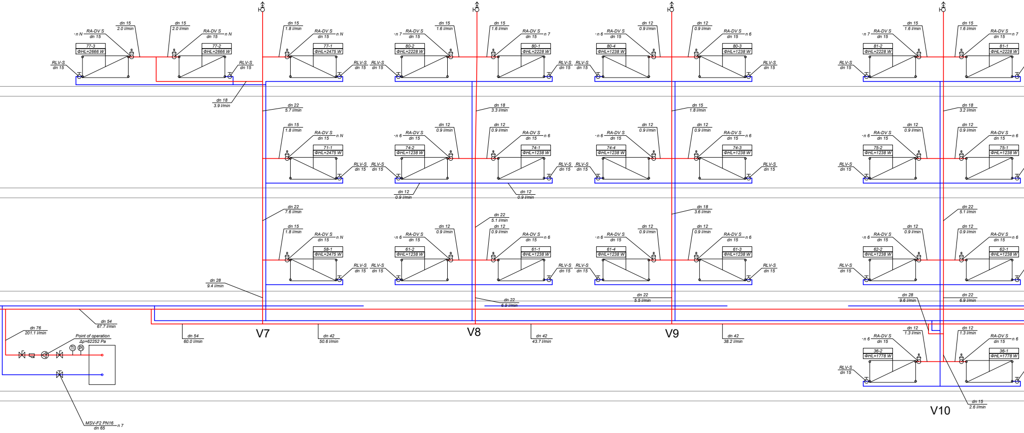
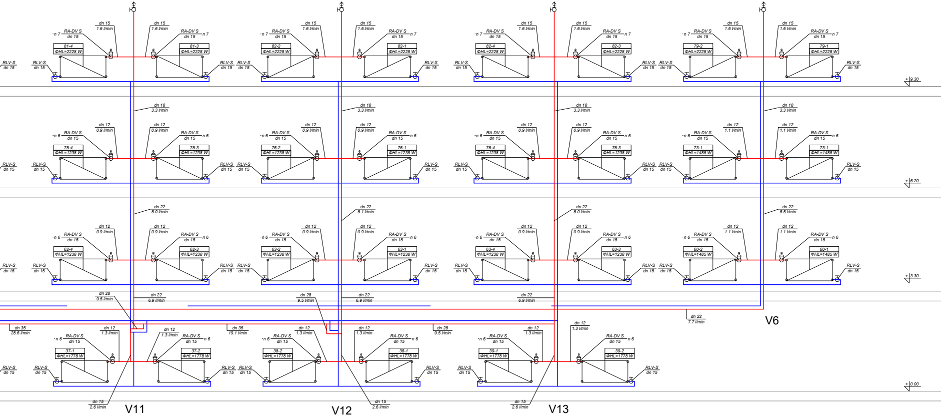
52-2
56-2
56-1
57-4
57-3
52-1
27-6
27-5
27-4
27-3
27-2
27-1
ΦHL=1361 W
ΦHL=2228 W
ΦHL=1609 W
ΦHL=1238 W
ΦHL=2844 W
RA-DV S
RLV-S
dn 12
dn 15
dn 18
dn 22
dn 54
1.0 l/min
1.6 l/min
1.2 l/min
2.0 l/min
0.9 l/min
2.1 l/min
3.2 l/min
3.3 l/min
1.8 l/min
7.4 l/min
7.3 l/min
5.1 l/min
72.9 l/min
80.3 l/min
85.4 l/min
90.5 l/min
V17
V16
V27
V28
V29


V15
V1
V2
V3
V4
V5
69-2 ΦHL=2228 W
69-1 ΦHL=2228 W
57-2 ΦHL=1238 W
57-1 ΦHL=1238 W
78-2 ΦHL=2133 W
78-1 ΦHL=2133 W
72-2 ΦHL=1422 W
72-1 ΦHL=1422 W
59-2 ΦHL=1422 W
59-1 ΦHL=1422 W
79-8 ΦHL=2228 W
79-7 ΦHL=2228 W
79-6 ΦHL=2228 W
79-5 ΦHL=2228 W
79-4 ΦHL=2228 W
79-3 ΦHL=2228 W
73-8 ΦHL=1485 W
73-7 ΦHL=1485 W
73-6 ΦHL=1485 W
73-5 ΦHL=1485 W
73-4 ΦHL=1485 W
73-3 ΦHL=1485 W
60-8 ΦHL=1485 W
60-7 ΦHL=1485 W
60-6 ΦHL=1485 W
60-5 ΦHL=1485 W
60-4 ΦHL=1485 W
60-3 ΦHL=1485 W
RA-DV S dn 15 n 7
RA-DV S dn 15 n 6
RLV-S dn 15
dn 15 1.6 l/min
dn 12 0.9 l/min
dn 12 1.0 l/min
dn 12 1.1 l/min
dn 15 2.6 l/min
dn 15 1.8 l/min
dn 18 3.3 l/min
dn 18 3.2 l/min
dn 18 3.7 l/min
dn 22 5.5 l/min
dn 22 7.7 l/min
dn 22 5.1 l/min
dn 54 97.9 l/min
dn 54 106.7 l/min
dn 54 110.4 l/min
dn 76 116.4 l/min
dn 76 125.7 l/min
dn 76 133.4 l/min



n N RA-DV S dn 15
dn 15 2.0 l/min
77-3 ΦHL=2666 W
RLV-S dn 15
dn 15 2.0 l/min
RA-DV S dn 15 n N
77-2 ΦHL=2666 W
RLV-S dn 15
dn 18 3.9 l/min
dn 15 1.8 l/min
RA-DV S dn 15 n N
77-1 ΦHL=2475 W
RLV-S dn 15
dn 22 5.7 l/min
n 7 RA-DV S dn 15
dn 15 1.6 l/min
80-2 ΦHL=2228 W
RLV-S dn 15
dn 15 1.6 l/min
RA-DV S dn 15 n 7
80-1 ΦHL=2228 W
RLV-S dn 15
dn 18 3.3 l/min
n 6 RA-DV S dn 15
dn 12 0.9 l/min
80-4 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
RA-DV S dn 15 n 6
80-3 ΦHL=1238 W
RLV-S dn 15
dn 15 1.8 l/min
n 7 RA-DV S dn 15
dn 15 1.6 l/min
81-2 ΦHL=2228 W
RLV-S dn 15
dn 15 1.6 l/min
RA-DV S dn 15 n 7
81-1 ΦHL=2228 W
dn 18 3.2 l/min
dn 15 1.8 l/min
RA-DV S dn 15 n N
71-1 ΦHL=2475 W
RLV-S dn 15
n 6 RA-DV S dn 15
dn 12 0.9 l/min
74-2 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
RA-DV S dn 15 n 6
74-1 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
dn 12 0.9 l/min
n 6 RA-DV S dn 15
dn 12 0.9 l/min
74-4 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
RA-DV S dn 15 n 6
74-3 ΦHL=1238 W
RLV-S dn 15
n 6 RA-DV S dn 15
dn 12 0.9 l/min
75-2 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
RA-DV S dn 15 n 6
75-1 ΦHL=1238 W
dn 22 7.6 l/min
dn 22 5.1 l/min
dn 18 3.6 l/min
dn 22 5.1 l/min
dn 15 1.8 l/min
RA-DV S dn 15 n N
58-1 ΦHL=2475 W
RLV-S dn 15
n 6 RA-DV S dn 15
dn 12 0.9 l/min
61-2 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
RA-DV S dn 15 n 6
61-1 ΦHL=1238 W
RLV-S dn 15
n 6 RA-DV S dn 15
dn 12 0.9 l/min
61-4 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
RA-DV S dn 15 n 6
61-3 ΦHL=1238 W
RLV-S dn 15
n 6 RA-DV S dn 15
dn 12 0.9 l/min
62-2 ΦHL=1238 W
RLV-S dn 15
dn 12 0.9 l/min
RA-DV S dn 15 n 6
62-1 ΦHL=1238 W
dn 28 9.4 l/min
dn 22 6.9 l/min
dn 22 5.5 l/min
dn 28 9.6 l/min
dn 22 6.9 l/min
dn 54 67.7 l/min
dn 76 201.1 l/min
Point of operation Δp=62252 Pa
TI
PI
dn 54 60.0 l/min
V7
dn 42 50.6 l/min
V8
dn 42 43.7 l/min
V9
dn 42 38.2 l/min
n 6 RA-DV S dn 15
dn 12 1.3 l/min
36-2 ΦHL=1778 W
RLV-S dn 15
dn 12 1.3 l/min
RA-DV S dn 15 n 6
36-1 ΦHL=1778 W
MSV-F2 PN16 dn 65 n 7
V10
dn 15 2.6 l/min



81-4
ΦHL=2228 W
81-3
ΦHL=2228 W
82-2
ΦHL=2228 W
82-1
ΦHL=2228 W
82-4
ΦHL=2228 W
82-3
ΦHL=2228 W
79-2
ΦHL=2228 W
79-1
ΦHL=2228 W
75-4
ΦHL=1238 W
75-3
ΦHL=1238 W
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37-1
ΦHL=1778 W
37-2
ΦHL=1778 W
38-2
ΦHL=1778 W
38-1
ΦHL=1778 W
39-1
ΦHL=1778 W
39-2
ΦHL=1778 W
RA-DV S
RLV-S
dn 15
dn 18
3.3 l/min
dn 22
5.0 l/min
dn 28
9.5 l/min
dn 35
28.6 l/min
dn 35
19.1 l/min
dn 22
7.7 l/min
+9.30
+6.20
+3.30
+0.00
V11
V12
V13
V6

LEGENDA / LEGEND

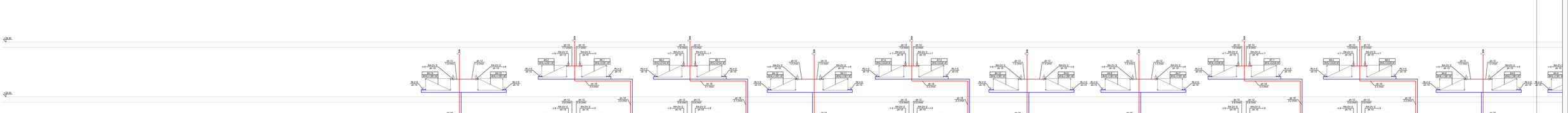
Cijevni razvod / Pipes

🟥	Steel press cijevi **za grijanje - napojni vod** Steel press pipe **for heating - supply**
🟦	Steel press cijevi **za grijanje - povratni vod** Steel press pipe **for heating - return**

Dimenzije cjevovoda / Pipes dimensions

DN 12 - 12x1.0 mm
DN 15 - 15x1.0 mm
DN 18 - 18x1.0mm
DN 22 - 22x1.2mm
DN 28 - 28x1.2mm
DN 35 - 35x1.5mm
DN 42 - 42x1.5mm
DN 54 - 54x1.5mm
DN 76 - 76.1x2.0mm
DN 88 - 88.9x2.0mm

Projektant: MAŠINAC D.O.O. Podgorica e-mail: masinactt@gmail.com		Investitor: JU OŠ "Radomir Mitrović", Berane	
Objekat: OŠ Radomir Mitrović		Lokacija: KAT.PAR.BR. 739/2 KO BERANE, OPŠTINA BERANE	
Glavni inženjer: Luka Vujović spec.sci.maš.	Paraf.	Vrsta tehničke dokumentacije: PROJEKAT ADAPTACIJE TERMOTEHNIČKIH INSTALACIJA	
Odgovorni inženjer: Marko Despotović dip.ing.maš.	Paraf.	Dio tehničke dokumentacije: MAŠINSKE INSTALACIJE	Razmjera: --:--
Saradnik: Nemanja Šćepanović spec.sci.maš.		Prilog: Grafička dokumentacija	Br. priloga: 4.5
Crtež: Šema usponskih vodova grana 1-1			
Datum izrade i M.P. mart, 2025. godine		Datum revizije i M.P.	



LEGENDA / LEGEND

Cijevni razvod / Pipes

Steel press cijevi za grijanje - napojni vod
Steel press pipe for heating - supply

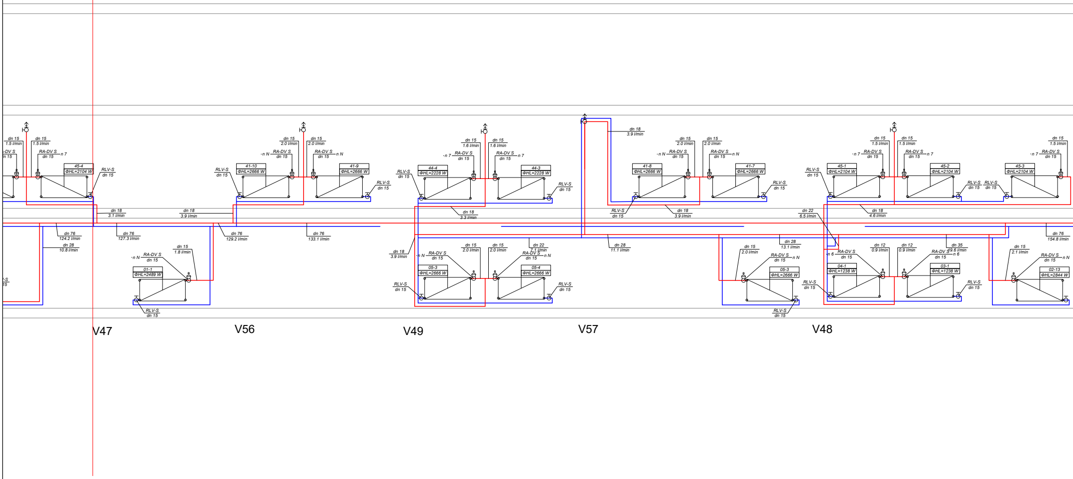
Steel press cijevi za grijanje - povratni vod
Steel press pipe for heating - return

Dimenzije cjevovoda / Pipes dimensions

DN 12 - 13x1.0 mm
DN 15 - 15x1.0 mm
DN 18 - 18x1.0mm
DN 22 - 22x1.2mm
DN 28 - 28x1.2mm
DN 35 - 35x1.5mm
DN 42 - 42x1.5mm
DN 54 - 54x1.5mm
DN 76 - 76.1x2.0mm
DN 88 - 88.9x2.0mm

Projektant: MAŠINAC D.O.O. Podgorica e-mail: masinactt@gmail.com		Investitor: JU OŠ "Radomir Mitrović", Berane	
Objekat: OŠ "Radomir Mitrović"		Lokacija: KAT PAR BR. 739/2 KO BERANE, OPŠTINA BERANE	
Glavni inženjer: Luka Vojović spec.sci.mat.	Paraf.	Vrsta tehničke dokumentacije: PROJEKAT ADAPTACIJE TERMOTEHNIČKIH INSTALACIJA	
Odgovorni inženjer: Marko Despotović, dip.ing.maš.	Paraf.	Dio tehničke dokumentacije: MAŠINSKE INSTALACIJE	Razmjera: -/-
Saradnik: Nemanja Šćepanović spec.sci.mat.		Prilog: Grafička dokumentacija	Br. priloga: 4.6
Crtež: Šema usponskih vodova grana 1-2			
Datum izrade i M.P.: mart, 2025. godine		Datum revizije i M.P.	

GRANA 2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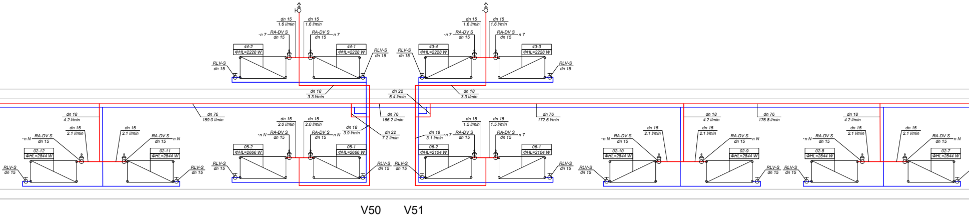
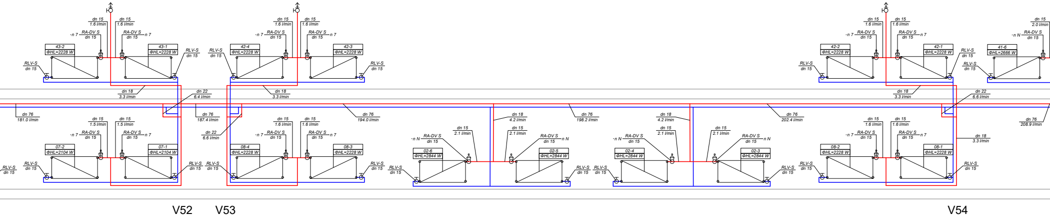
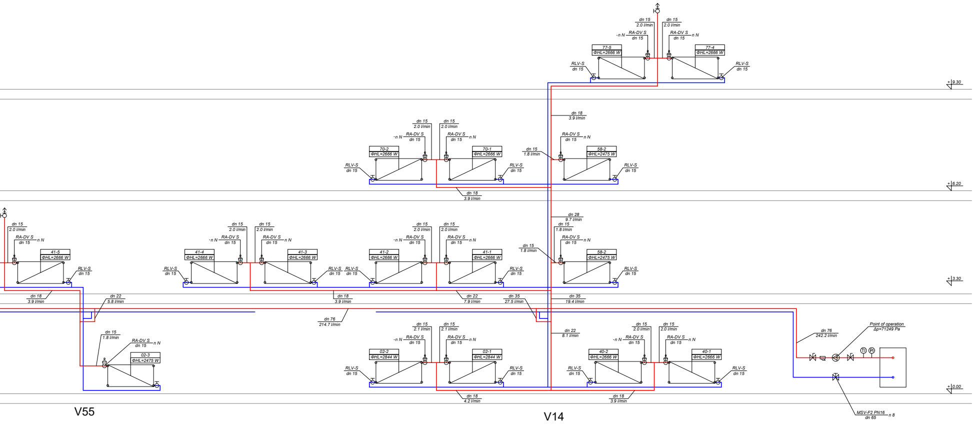
1.5 l/min
-DV S
n 15
dn 15
1.5 l/min
RA-DV S
dn 15
n 7
45-4
ΦHL=2104 W
RLV-S
dn 15
dn 18
3.1 l/min
dn 76
124.2 l/min
dn 28
10.8 l/min
-S
15
dn 76
127.3 l/min
-n N
RA-DV S
dn 15
dn 15
1.8 l/min
01-1
ΦHL=2489 W
RLV-S
dn 15
dn 18
3.9 l/min
dn 76
129.2 l/min
RLV-S
dn 15
41-10
ΦHL=2666 W
-n N
RA-DV S
dn 15
dn 15
2.0 l/min
dn 15
2.0 l/min
RA-DV S
dn 15
n N
41-9
ΦHL=2666 W
RLV-S
dn 15
dn 76
133.1 l/min
RLV-S
dn 15
44-4
ΦHL=2228 W
-n 7
RA-DV S
dn 15
dn 15
1.6 l/min
dn 15
1.6 l/min
RA-DV S
dn 15
n 7
44-3
ΦHL=2228 W
RLV-S
dn 15
dn 18
3.3 l/min
dn 18
3.9 l/min
-n N
RA-DV S
dn 15
dn 15
2.0 l/min
dn 15
2.0 l/min
dn 22
7.1 l/min
RA-DV S
dn 15
n N
05-3
ΦHL=2666 W
05-4
ΦHL=2666 W
RLV-S
dn 15
RLV-S
dn 15
dn 18
3.9 l/min
-n N
RA-DV S
dn 15
dn 15
2.0 l/min
dn 15
2.0 l/min
RA-DV S
dn 15
n N
41-8
ΦHL=2666 W
41-7
ΦHL=2666 W
RLV-S
dn 15
RLV-S
dn 15
dn 18
3.9 l/min
dn 28
11.1 l/min
dn 15
2.0 l/min
RA-DV S
dn 15
n N
05-3
ΦHL=2666 W
RLV-S
dn 15
dn 28
13.1 l/min
dn 22
6.5 l/min
RLV-S
dn 15
45-1
ΦHL=2104 W
-n 7
RA-DV S
dn 15
dn 15
1.5 l/min
dn 15
1.5 l/min
RA-DV S
dn 15
n 7
45-2
ΦHL=2104 W
RLV-S
dn 15
RLV-S
dn 15
dn 18
4.6 l/min
-n 7
RA-DV S
dn 15
dn 15
1.5 l/min
45-3
ΦHL=2104 W
-n 6
RA-DV S
dn 15
04-1
ΦHL=1238 W
dn 12
0.9 l/min
dn 12
0.9 l/min
RA-DV S
dn 15
n 6
dn 35
19.6 l/min
03-1
ΦHL=1238 W
RLV-S
dn 15
RLV-S
dn 15
dn 15
2.1 l/min
RA-DV S
dn 15
n N
02-13
ΦHL=2844 W
dn 76
154.8 l/min
V47
V56
V49
V57
V48



dn 15 1.6 l/min
dn 15 1.6 l/min
·n 7 RA-DV S dn 15
RA-DV S dn 15 n 7
44-2 ΦHL=2228 W
44-1 ΦHL=2228 W
RLV-S dn 15
RLV-S dn 15
dn 15 1.6 l/min
dn 15 1.6 l/min
·n 7 RA-DV S dn 15
RA-DV S dn 15 n 7
43-4 ΦHL=2228 W
43-3 ΦHL=2228 W
RLV-S dn 15
RLV-S dn 15
dn 18 3.3 l/min
dn 22 6.4 l/min
dn 18 3.3 l/min
dn 18 4.2 l/min
dn 76 159.0 l/min
dn 76 166.2 l/min
dn 76 172.6 l/min
dn 18 4.2 l/min
dn 76 176.8 l/min
dn 18 4.2 l/min
dn 15 2.1 l/min
dn 15 2.1 l/min
·n N RA-DV S dn 15
RA-DV S dn 15 n N
02-12 ΦHL=2844 W
02-11 ΦHL=2844 W
RLV-S dn 15
RLV-S dn 15
dn 15 2.0 l/min
dn 15 2.0 l/min
dn 18 3.9 l/min
dn 22 7.2 l/min
·n N RA-DV S dn 15
RA-DV S dn 15 n N
05-2 ΦHL=2666 W
05-1 ΦHL=2666 W
RLV-S dn 15
RLV-S dn 15
dn 15 1.5 l/min
dn 15 1.5 l/min
dn 18 3.1 l/min
n 7 RA-DV S dn 15
RA-DV S dn 15 n 7
06-2 ΦHL=2104 W
06-1 ΦHL=2104 W
RLV-S dn 15
RLV-S dn 15
dn 15 2.1 l/min
dn 15 2.1 l/min
·n N RA-DV S dn 15
RA-DV S dn 15 n N
02-10 ΦHL=2844 W
02-9 ΦHL=2844 W
RLV-S dn 15
RLV-S dn 15
dn 15 2.1 l/min
dn 15 2.1 l/min
·n N RA-DV S dn 15
RA-DV S dn 15 n N
02-8 ΦHL=2844 W
02-7 ΦHL=2844 W
RLV-S dn 15
RLV-S dn 15
V50
V51



43-2
ΦHL=2228 W
43-1
ΦHL=2228 W
42-4
ΦHL=2228 W
42-3
ΦHL=2228 W
42-2
ΦHL=2228 W
42-1
ΦHL=2228 W
41-6
ΦHL=2666 W
07-2
ΦHL=2104 W
07-1
ΦHL=2104 W
08-4
ΦHL=2228 W
08-3
ΦHL=2228 W
02-6
ΦHL=2844 W
02-5
ΦHL=2844 W
02-4
ΦHL=2844 W
02-3
ΦHL=2844 W
08-2
ΦHL=2228 W
08-1
ΦHL=2228 W
RA-DV S
dn 15
n 7
n N
RLV-S
dn 15
dn 15
1.6 l/min
dn 15
1.5 l/min
dn 15
2.0 l/min
dn 15
2.1 l/min
dn 18
3.3 l/min
dn 18
4.2 l/min
dn 22
6.4 l/min
dn 22
6.6 l/min
dn 76
181.0 l/min
dn 76
187.4 l/min
dn 76
194.0 l/min
dn 76
198.2 l/min
dn 76
202.4 l/min
dn 76
208.9 l/min
V52
V53
V54


dn 15
2.0 l/min
RA-DV S
RLV-S
77-5
ΦHL=2666 W
77-4
70-2
70-1
58-2
ΦHL=2475 W
41-5
41-4
41-3
41-2
41-1
02-3
02-2
02-1
ΦHL=2844 W
40-2
40-1
dn 18
3.9 l/min
dn 15
1.8 l/min
dn 28
9.7 l/min
dn 22
5.8 l/min
dn 22
7.9 l/min
dn 35
27.5 l/min
dn 35
19.4 l/min
dn 76
214.7 l/min
dn 22
8.1 l/min
dn 18
4.2 l/min
dn 76
242.2 l/min
Point of operation
Δp=71249 Pa
MSV-F2 PN16
dn 65
n 8
+9.30
+6.20
+3.30
+0.00
V55
V14

LEGENDA / LEGEND

Cijevni razvod / Pipes

🟥 Steel press cijevi **za grijanje - napojni vod**
Steel press pipe **for heating - supply**

🟦 Steel press cijevi **za grijanje - povratni vod**
Steel press pipe **for heating - return**

Dimenzije cjevovoda / Pipes dimensions

DN 12 - 12x1.0 mm
DN 15 - 15x1.0 mm
DN 18 - 18x1.0mm
DN 22 - 22x1.2mm
DN 28 - 28x1.2mm
DN 35 - 35x1.5mm
DN 42 - 42x1.5mm
DN 54 - 54x1.5mm
DN 76 - 76.1x2.0mm
DN 88 - 88.9x2.0mm

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Objekat:
OŠ Radomir Mitrović

Lokacija:
KAT.PAR.BR. 739/2 KO BERANE, OPŠTINA BERANE

Glavni inženjer:
Luka Vujović spec.sci.maš.
Paraf.

Vrsta tehničke dokumentacije:
PROJEKAT ADAPTACIJE TERMOTEHNIČKIH INSTALACIJA

Odgovorni inženjer:
Marko Despotović dip.ing.maš.
Paraf.

Dio tehničke dokumentacije:
MAŠINSKE INSTALACIJE

Razmjera:
--:--

Saradnik: Nemanja Šćepanović spec.sci.maš.

Prilog: Grafička dokumentacija

Br. priloga:
4.7

Crtež:
Šema usponskih vodova grana 2-1

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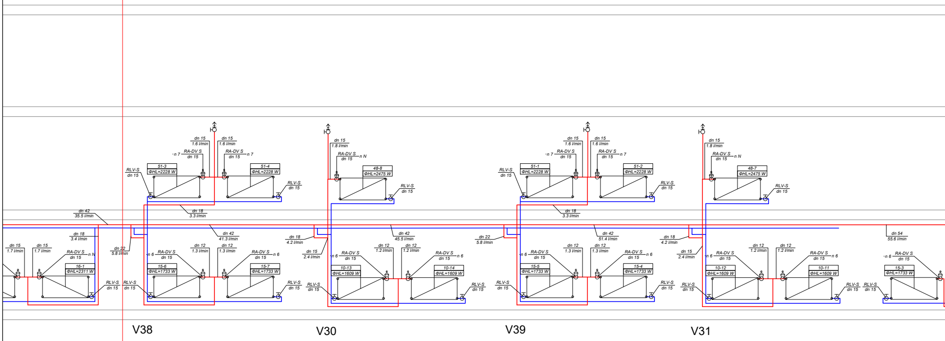
mart, 2025. godine

Datum revizije i M.P.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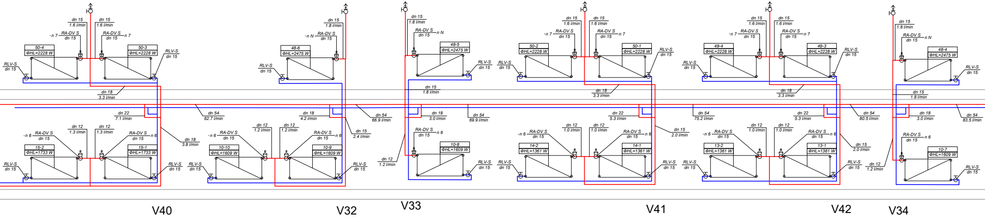
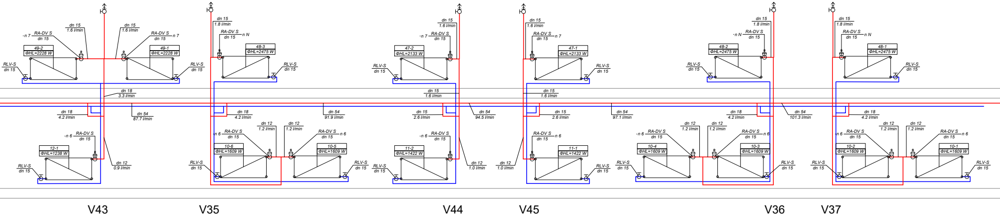
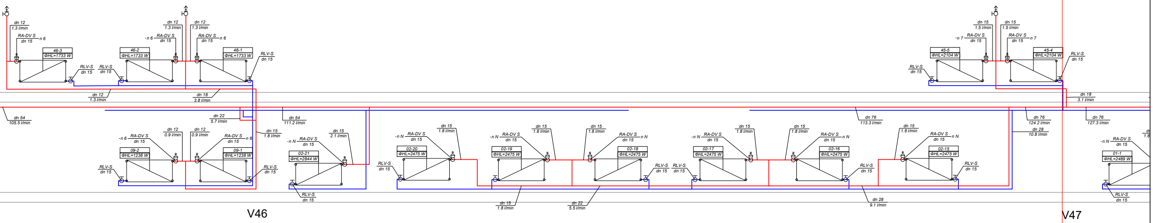
1.7 l/min
dn 15
1.7 l/min
RA-DV S
dn 15
n N
16-1
ΦHL=2311 W
RLV-S
dn 15
dn 18
3.4 l/min
dn 42
35.5 l/min
dn 22
5.8 l/min
RLV-S
dn 15
RLV-S
dn 15
51-3
ΦHL=2228 W
n 7
RA-DV S
dn 15
dn 15
1.6 l/min
dn 15
1.6 l/min
RA-DV S
dn 15
n 7
51-4
ΦHL=2228 W
RLV-S
dn 15
dn 18
3.3 l/min
dn 42
41.3 l/min
n 6
RA-DV S
dn 15
15-6
ΦHL=1733 W
dn 12
1.3 l/min
dn 12
1.3 l/min
RA-DV S
dn 15
n 6
15-7
ΦHL=1733 W
RLV-S
dn 15
RLV-S
dn 15
V38
dn 15
1.8 l/min
RA-DV S
dn 15
n N
48-8
ΦHL=2475 W
RLV-S
dn 15
dn 18
4.2 l/min
dn 15
2.4 l/min
dn 42
45.5 l/min
n 6
RA-DV S
dn 15
10-13
ΦHL=1609 W
dn 12
1.2 l/min
dn 12
1.2 l/min
RA-DV S
dn 15
n 6
10-14
ΦHL=1609 W
RLV-S
dn 15
RLV-S
dn 15
V30
dn 22
5.8 l/min
RLV-S
dn 15
51-1
ΦHL=2228 W
n 7
RA-DV S
dn 15
dn 15
1.6 l/min
dn 15
1.6 l/min
RA-DV S
dn 15
n 7
51-2
ΦHL=2228 W
RLV-S
dn 15
dn 18
3.3 l/min
dn 42
51.4 l/min
n 6
RA-DV S
dn 15
15-5
ΦHL=1733 W
dn 12
1.3 l/min
dn 12
1.3 l/min
RA-DV S
dn 15
n 6
15-4
ΦHL=1733 W
RLV-S
dn 15
RLV-S
dn 15
V39
dn 15
1.8 l/min
RA-DV S
dn 15
n N
48-7
ΦHL=2475 W
RLV-S
dn 15
dn 18
4.2 l/min
dn 15
2.4 l/min
n 6
RA-DV S
dn 15
10-12
ΦHL=1609 W
dn 12
1.2 l/min
dn 12
1.2 l/min
RA-DV S
dn 15
n 6
10-11
ΦHL=1609 W
RLV-S
dn 15
RLV-S
dn 15
V31
dn 54
55.6 l/min
n 6
RA-DV S
dn 15
15-3
ΦHL=1733 W
RLV-S
dn 15



dn 15 1.6 l/min
dn 15 1.6 l/min
n 7 RA-DV S dn 15
RA-DV S dn 15 n 7
50-4 ΦHL=2228 W
50-3 ΦHL=2228 W
RLV-S dn 15
RLV-S dn 15
dn 18 3.3 l/min
dn 22 7.1 l/min
dn 54 62.7 l/min
dn 18 3.8 l/min
dn 12 1.3 l/min
dn 12 1.3 l/min
n 6 RA-DV S dn 15
RA-DV S dn 15 n 6
15-2 ΦHL=1733 W
15-1 ΦHL=1733 W
RLV-S dn 15
RLV-S dn 15
V40
dn 15 1.8 l/min
n N RA-DV S dn 15
48-6 ΦHL=2475 W
RLV-S dn 15
dn 18 4.2 l/min
dn 54 66.9 l/min
dn 15 2.4 l/min
dn 12 1.2 l/min
dn 12 1.2 l/min
n 6 RA-DV S dn 15
RA-DV S dn 15 n 6
10-10 ΦHL=1609 W
10-9 ΦHL=1609 W
RLV-S dn 15
RLV-S dn 15
V32
dn 15 1.8 l/min
RA-DV S dn 15 n N
48-5 ΦHL=2475 W
RLV-S dn 15
dn 15 1.8 l/min
dn 18 3.0 l/min
dn 54 69.9 l/min
RA-DV S dn 15 n 6
10-8 ΦHL=1609 W
dn 12 1.2 l/min
RLV-S dn 15
V33
dn 15 1.6 l/min
dn 15 1.6 l/min
n 7 RA-DV S dn 15
RA-DV S dn 15 n 7
50-2 ΦHL=2228 W
50-1 ΦHL=2228 W
RLV-S dn 15
RLV-S dn 15
dn 18 3.3 l/min
dn 22 5.3 l/min
dn 54 75.2 l/min
dn 15 2.0 l/min
dn 12 1.0 l/min
dn 12 1.0 l/min
n 6 RA-DV S dn 15
RA-DV S dn 15 n 6
14-2 ΦHL=1361 W
14-1 ΦHL=1361 W
RLV-S dn 15
RLV-S dn 15
V41
dn 15 1.6 l/min
dn 15 1.6 l/min
n 7 RA-DV S dn 15
RA-DV S dn 15 n 7
49-4 ΦHL=2228 W
49-3 ΦHL=2228 W
RLV-S dn 15
RLV-S dn 15
dn 18 3.3 l/min
dn 22 5.3 l/min
dn 54 80.5 l/min
dn 15 2.0 l/min
dn 12 1.0 l/min
dn 12 1.0 l/min
n 6 RA-DV S dn 15
RA-DV S dn 15 n 6
13-2 ΦHL=1361 W
13-1 ΦHL=1361 W
RLV-S dn 15
RLV-S dn 15
V42
dn 15 1.8 l/min
RA-DV S dn 15 n N
48-4 ΦHL=2475 W
RLV-S dn 15
dn 15 1.8 l/min
dn 18 3.0 l/min
dn 54 83.5 l/min
RA-DV S dn 15 n 6
10-7 ΦHL=1609 W
dn 12 1.2 l/min
RLV-S dn 15
V34


49-2
ΦHL=2228 W
RLV-S
dn 15
-n 7
RA-DV S
dn 15
dn 15
1.6 l/min
dn 15
1.6 l/min
RA-DV S
dn 15
n 7
49-1
ΦHL=2228 W
RLV-S
dn 15
dn 18
3.3 l/min
dn 18
4.2 l/min
dn 54
87.7 l/min
-n 6
RA-DV S
dn 15
12-1
ΦHL=1238 W
RLV-S
dn 15
dn 12
0.9 l/min
V43
dn 15
1.8 l/min
RA-DV S
dn 15
n N
48-3
ΦHL=2475 W
RLV-S
dn 15
dn 18
4.2 l/min
dn 12
1.2 l/min
dn 12
1.2 l/min
-n 6
RA-DV S
dn 15
10-6
ΦHL=1609 W
RLV-S
dn 15
RA-DV S
dn 15
n 6
10-5
ΦHL=1609 W
RLV-S
dn 15
V35
dn 54
91.9 l/min
dn 15
1.6 l/min
-n 7
RA-DV S
dn 15
47-2
ΦHL=2133 W
RLV-S
dn 15
dn 15
1.6 l/min
dn 15
2.6 l/min
dn 54
94.5 l/min
-n 6
RA-DV S
dn 15
11-2
ΦHL=1422 W
RLV-S
dn 15
dn 12
1.0 l/min
V44
dn 15
1.6 l/min
RA-DV S
dn 15
n 7
47-1
ΦHL=2133 W
RLV-S
dn 15
dn 15
1.6 l/min
dn 15
2.6 l/min
RA-DV S
dn 15
n 6
11-1
ΦHL=1422 W
RLV-S
dn 15
dn 12
1.0 l/min
V45
dn 54
97.1 l/min
dn 15
1.8 l/min
-n N
RA-DV S
dn 15
48-2
ΦHL=2475 W
RLV-S
dn 15
dn 18
4.2 l/min
dn 54
101.3 l/min
dn 12
1.2 l/min
dn 12
1.2 l/min
-n 6
RA-DV S
dn 15
10-4
ΦHL=1609 W
RLV-S
dn 15
RA-DV S
dn 15
n 6
10-3
ΦHL=1609 W
RLV-S
dn 15
V36
dn 15
1.8 l/min
RA-DV S
dn 15
n N
48-1
ΦHL=2475 W
RLV-S
dn 15
dn 18
4.2 l/min
dn 12
1.2 l/min
dn 12
1.2 l/min
-n 6
RA-DV S
dn 15
10-2
ΦHL=1609 W
RLV-S
dn 15
RA-DV S
dn 15
n 6
10-1
ΦHL=1609 W
RLV-S
dn 15
V37


46-3
ΦHL=1733 W
46-2
ΦHL=1733 W
46-1
ΦHL=1733 W
45-5
ΦHL=2104 W
45-4
ΦHL=2104 W
09-2
ΦHL=1238 W
09-1
ΦHL=1238 W
02-21
ΦHL=2844 W
02-20
ΦHL=2475 W
02-19
ΦHL=2475 W
02-18
ΦHL=2475 W
02-17
ΦHL=2475 W
02-16
ΦHL=2475 W
02-15
ΦHL=2475 W
01-1
ΦHL=2489 W
RA-DV S
dn 15
RLV-S
dn 15
dn 12
1.3 l/min
dn 18
3.8 l/min
dn 54
105.5 l/min
dn 22
5.7 l/min
dn 12
0.9 l/min
dn 15
1.8 l/min
dn 54
111.2 l/min
dn 15
2.1 l/min
dn 15
1.5 l/min
dn 18
3.1 l/min
dn 76
113.3 l/min
dn 76
124.2 l/min
dn 28
10.8 l/min
dn 76
127.3 l/min
dn 22
5.5 l/min
dn 28
9.1 l/min
n 6
n 7
n N
V46
V47

LEGENDA / LEGEND

Cijevni razvod / Pipes

🟥	Steel press cijevi **za grijanje - napojni vod** Steel press pipe **for heating - supply**
🟦	Steel press cijevi **za grijanje - povratni vod** Steel press pipe **for heating - return**

Dimenzije cjevovoda / Pipes dimensions

DN 12 - 12x1.0 mm
DN 15 - 15x1.0 mm
DN 18 - 18x1.0mm
DN 22 - 22x1.2mm
DN 28 - 28x1.2mm
DN 35 - 35x1.5mm
DN 42 - 42x1.5mm
DN 54 - 54x1.5mm
DN 76 - 76.1x2.0mm
DN 88 - 88.9x2.0mm

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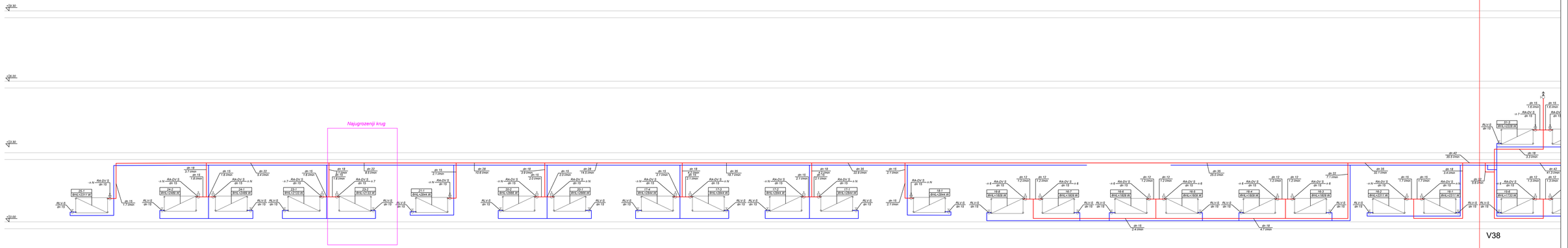
Objekat: OŠ Radomir Mitrović		Lokacija: KAT.PAR.BR. 739/2 KO BERANE, OPŠTINA BERANE	
Glavni inženjer: Luka Vujović spec.sci.maš.	Paraf.	Vrsta tehničke dokumentacije: PROJEKAT ADAPTACIJE TERMOTEHNIČKIH INSTALACIJA	
Odgovorni inženjer: Marko Despotović dip.ing.maš.	Paraf.	Dio tehničke dokumentacije: MAŠINSKE INSTALACIJE	Razmjera: --:--
Saradnik: Nemanja Šćepanović spec.sci.maš.		Prilog: Grafička dokumentacija	Br. priloga: 4.8
Crtež: Šema usponskih vodova grana 2-2			
Datum izrade i M.P. mart, 2025. godine		Datum revizije i M.P.	



LEGENDA / LEGEND

Cijevni razvod / Pipes

Steel press cijevi za grijanje - napojni vod
Steel press pipe for heating - supply

Steel press cijevi za grijanje - povratni vod
Steel press pipe for heating - return

Dimenzije cjevovoda / Pipes dimensions

DN 12 - 12x1.0 mm
DN 15 - 15x1.0 mm
DN 18 - 18x1.0mm
DN 22 - 22x1.2mm
DN 28 - 28x1.2mm
DN 35 - 35x1.5mm
DN 42 - 42x1.5mm
DN 54 - 54x1.5mm
DN 76 - 76.1x2.0mm
DN 88 - 88.9x2.0mm

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