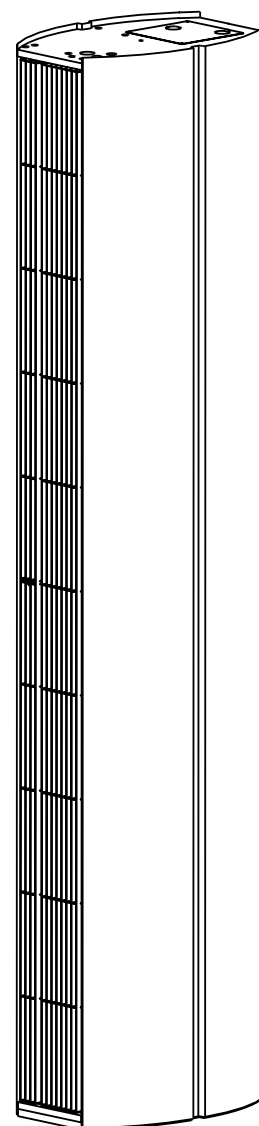


Thermozone AD Corinte W - ADCS



SE ..19

GB ..22

NO ..25

FR ..28

RU ..31

DE ..34

NL ..37

ES ..40

PL ..43

FI ..46

IT ..49

DK ..52

Thermozone AD Corinte W - ADCS

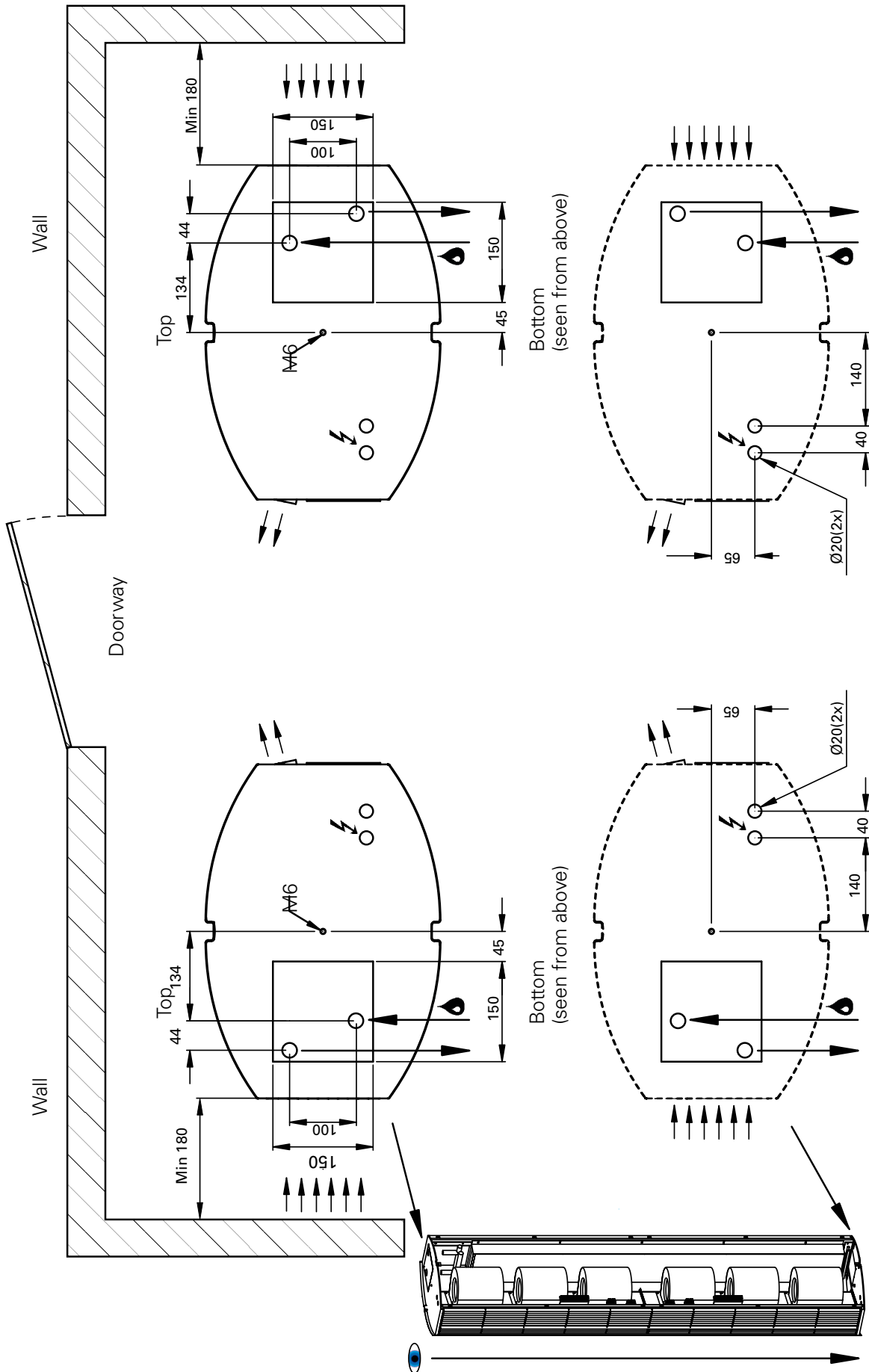


Fig 1

Thermozone AD Corinte W - ADCS

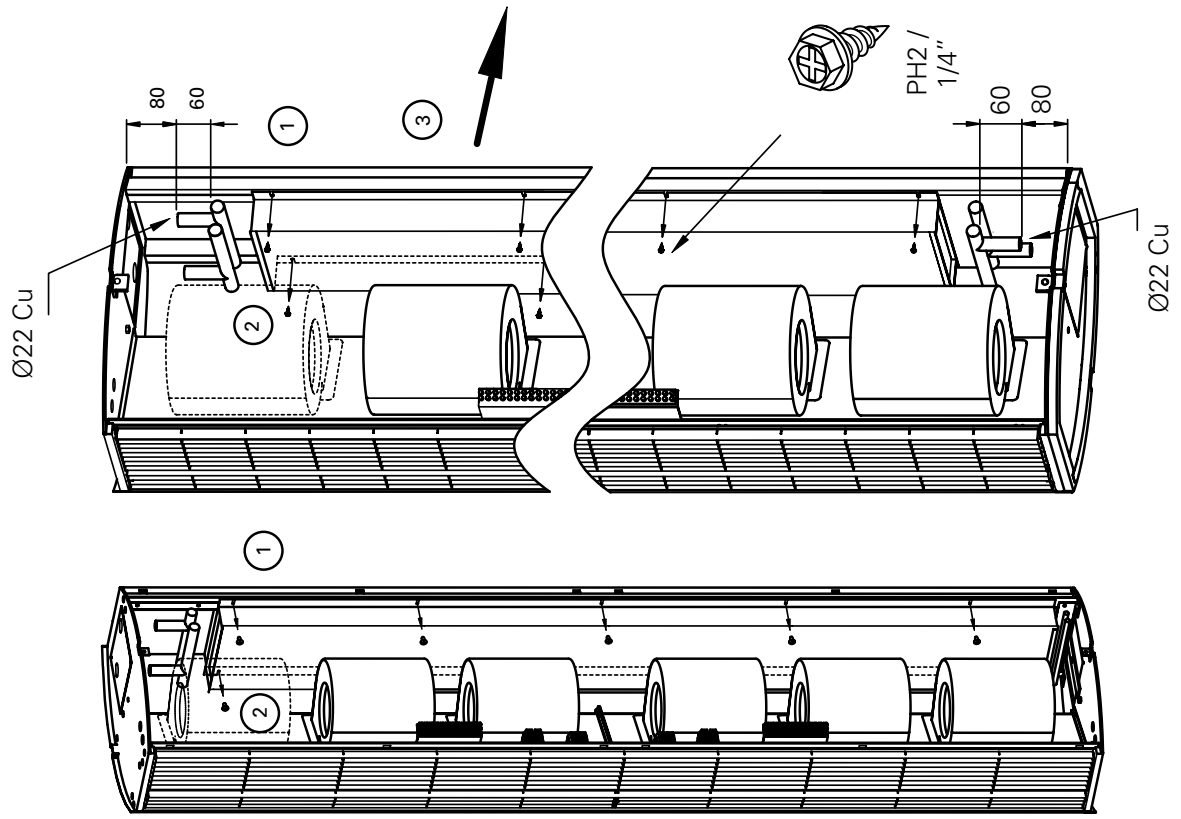


Fig 3

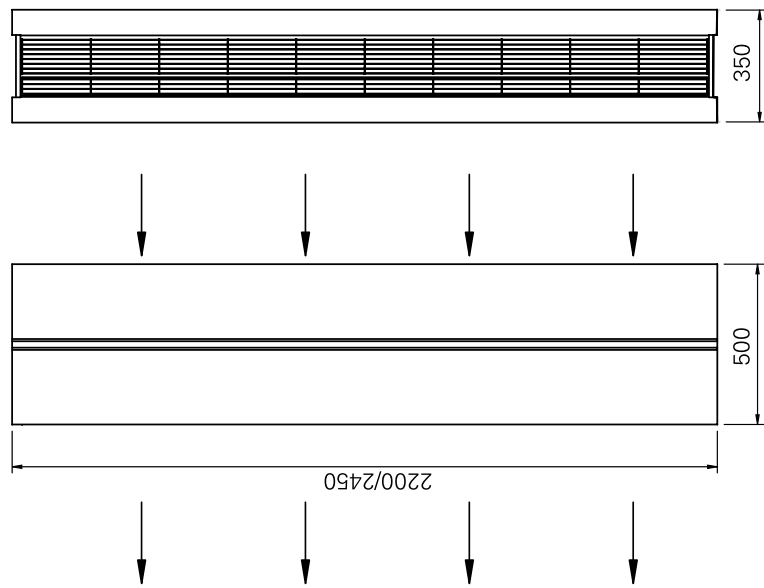


Fig 2

Thermozone AD Corinte W - ADCS

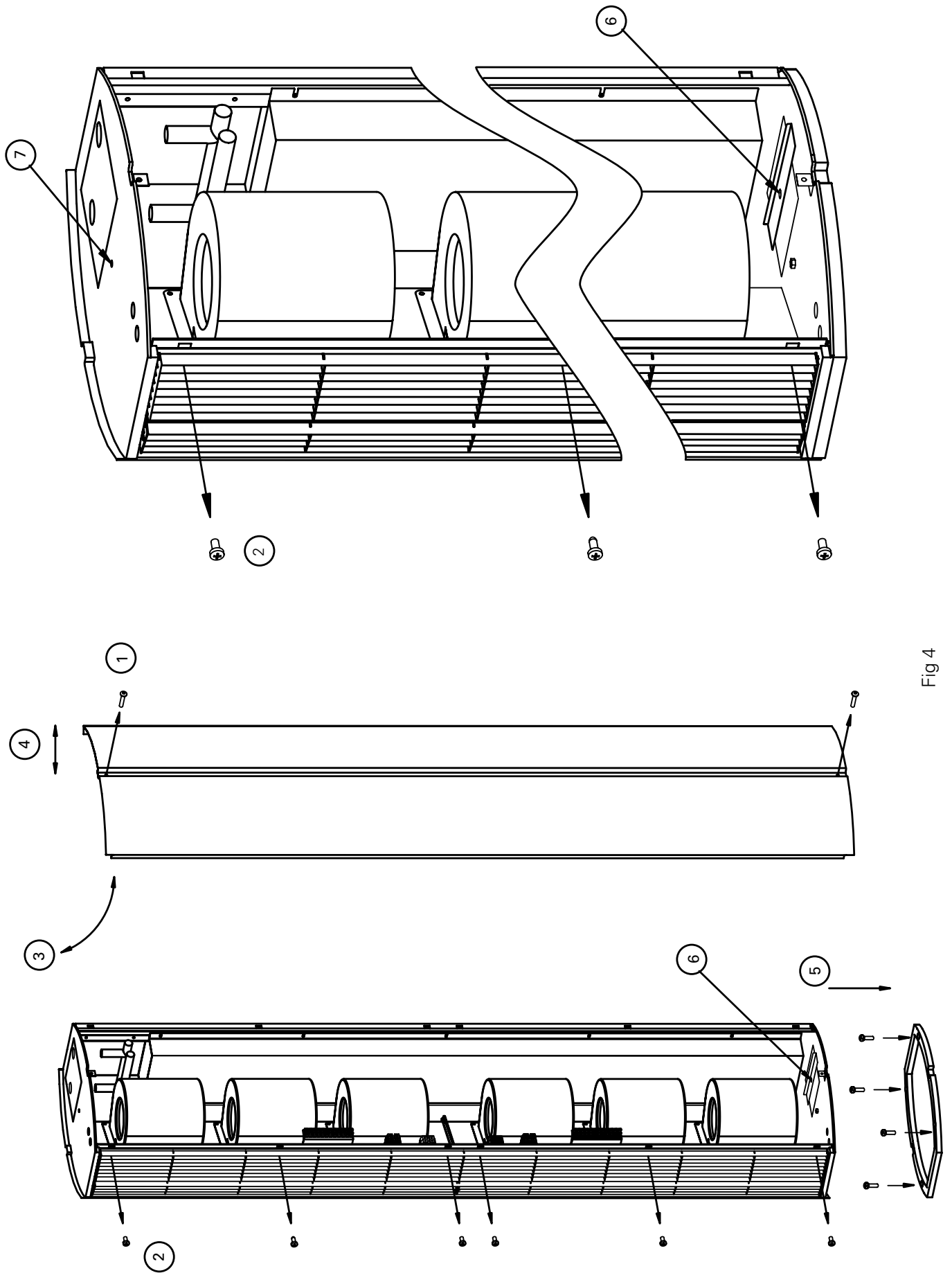


Fig 4

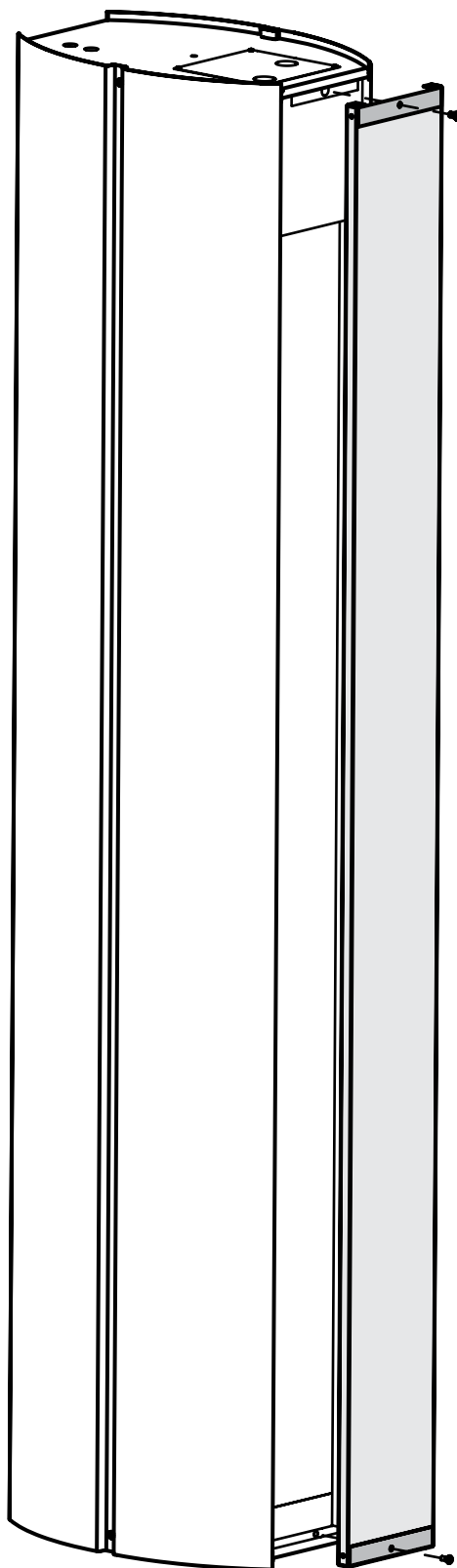


Fig 5

Thermozone AD Corinte W - ADCS

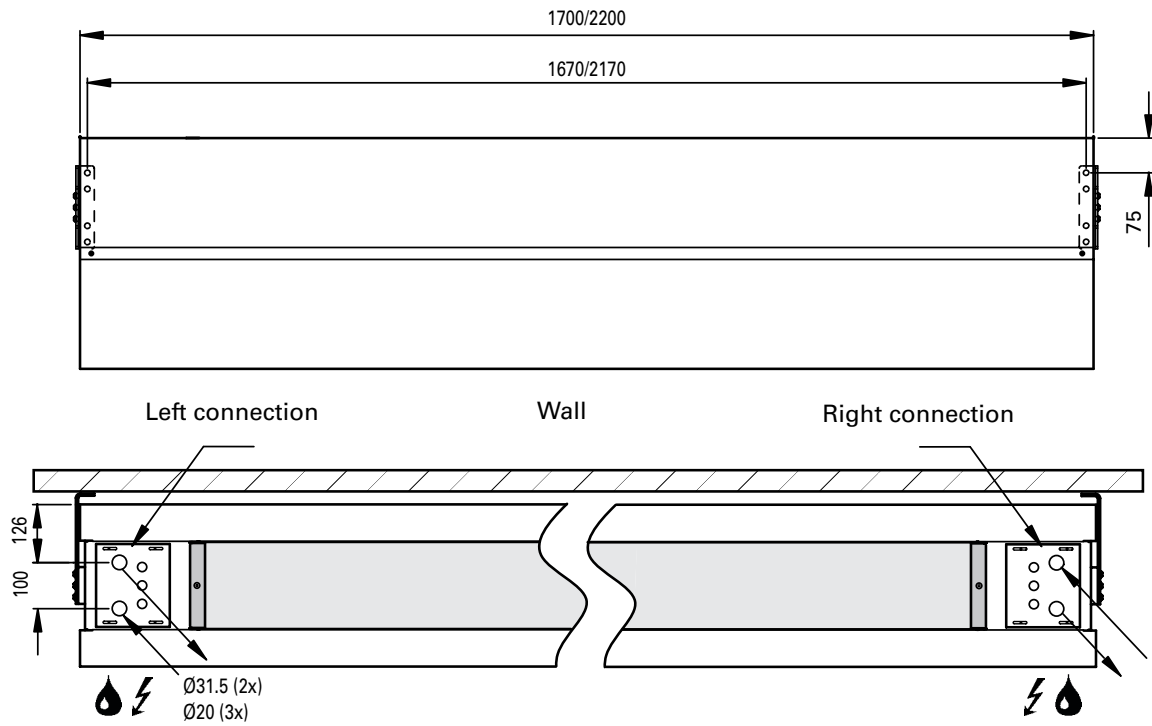


Fig 6a

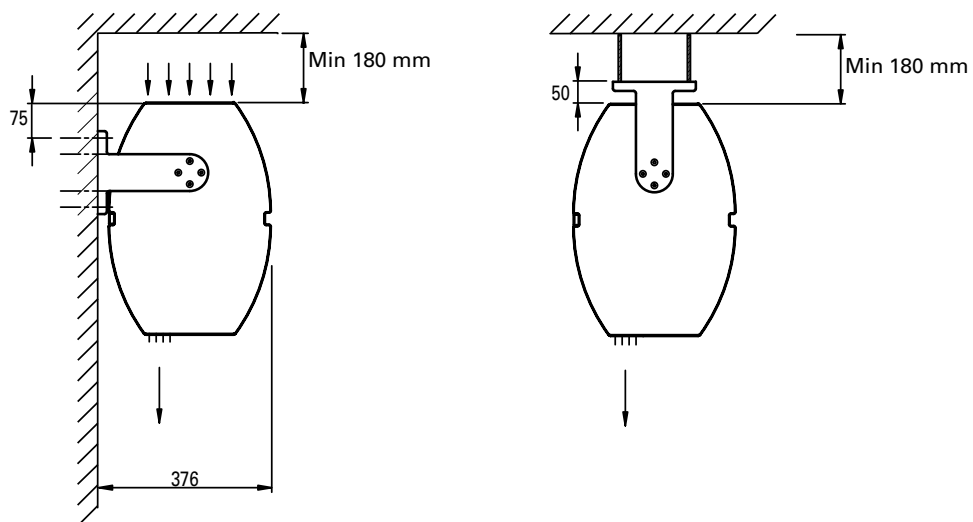


Fig 6b

Thermozone AD Corinte W - ADCS

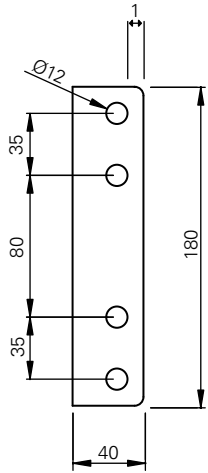


Fig 6c

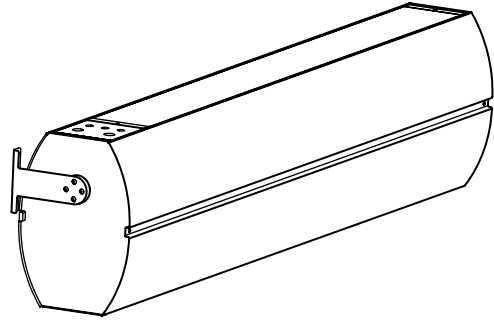
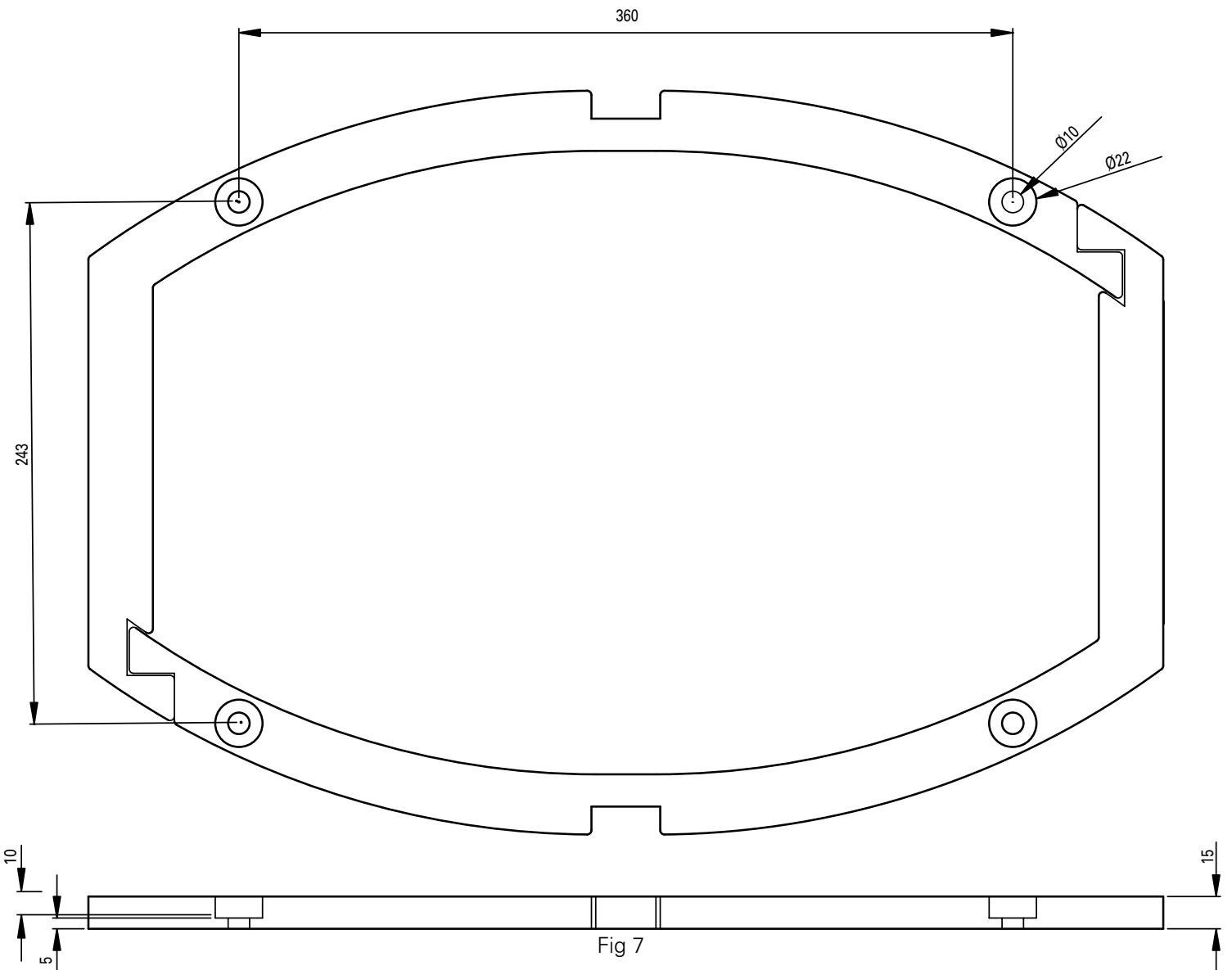
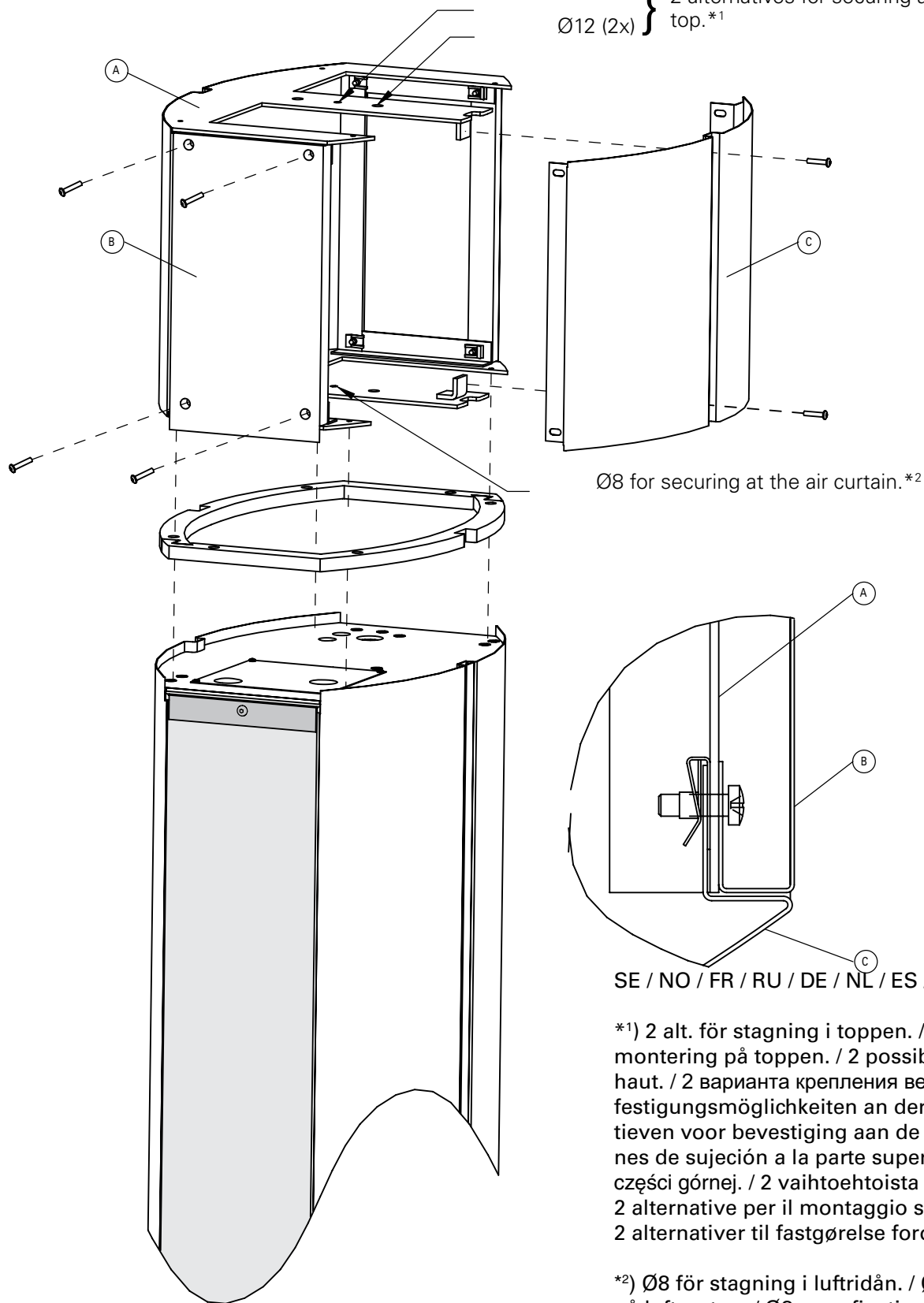


Fig 6d



ADCEH

Ø8 } 2 alternatives for securing at the
 Ø12 (2x) } top.*1



Ø8 for securing at the air curtain.*2

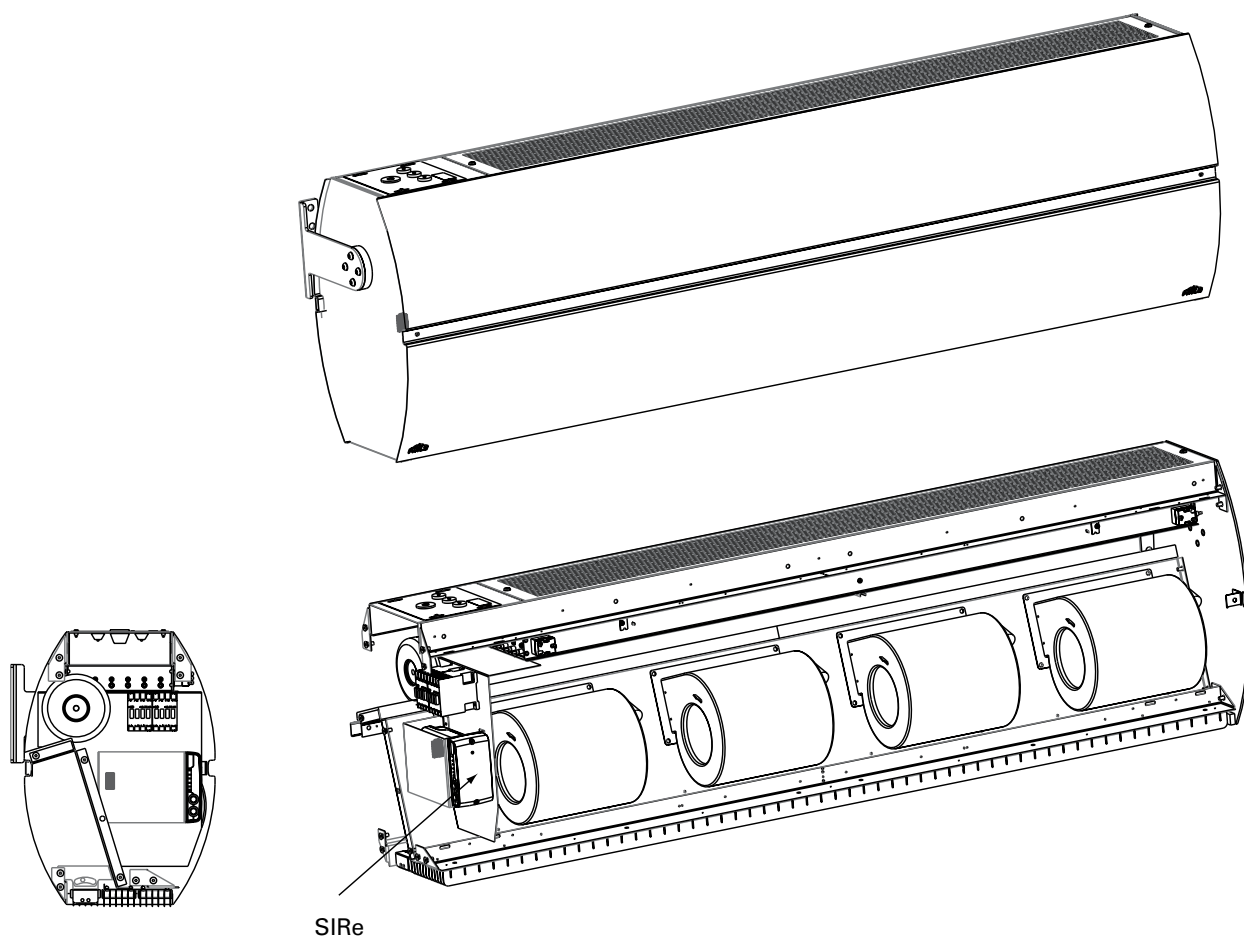
SE / NO / FR / RU / DE / NL / ES / PL / FI / IT / DK

*1) 2 alt. för stagning i toppen. / 2 muligheter for montering på toppen. / 2 possibilités de fixation par le haut. / 2 варианта крепления верхней части / Zwei Befestigungsmöglichkeiten an der Oberseite / 2 alternatieven voor bevestiging aan de bovenkant. / 2 opciones de sujeción a la parte superior. / 2 opcje montażu w części górnej. / 2 vaihtoehdoista kiinnitystapaa. / 2 alternative per il montaggio sulla parte superiore. / 2 alternativer til fastgørelse foroven.

*2) Ø8 för stagning i luftridån. / Ø8 for montering på luftporten. / Ø8 pour fixation du rideau d'air. / Для крепления к завесе / Ø 8 zur Befestigung am Luftschleier / Ø8 voor bevestiging aan het luchtgordijn. / Ø8 para sujeción a la cortina de aire. / Ø8 do zamocowania kurtyny powietrznej. / Ø8 ilmaverhokojen kiinnitykseen. / Ø8 per il montaggio sulla barriera d'aria. / Ø8 til fastgørelse af lufttæppet.

ADCS - SIRe

Fig 8



Accessories

Regulations alternatives

This aircurtain is supplied with an intelligent and well designed low voltage control system SRe which can be customized for each unique application and environment. The control system is pre-installed in the aircurtain with an integrated control card.

SRe is supplied pre-programmed with quick-release connections and is very easy to use and install. There are three different levels with different functionality to choose from, Basic, Competent or Advanced.

Type	RSK-nr	Description	HxWxD [mm]	L [m]
SReB		Control system Basic		
SReAC		Control system Competent		
SReAA		Control system Advanced		
SReRTX	673 09 22	External room temperature sensor	70x33x23	
SReUR*	673 09 21	Kit for recessed installation	114x70x50	
SReWTA		Clamp-on sensor		
SReCJ4		Joint piece for two pcs. RJ11 (4/4)		
SReCJ6		Joint piece for two pcs. RJ12 (6/6)		
SReCC603	673 09 23	Modular cable RJ12		3
SReCC605	673 09 24	Modular cable RJ12		5
SReCC610	673 09 25	Modular cable RJ12		10
SReCC615	673 09 26	Modular cable RJ12		15
SReCC403	673 09 27	Modular cable RJ11		30
SReCC405	673 09 28	Modular cable RJ11		50
SReCC410	673 09 29	Modular cable RJ11		10
SReCC415	673 09 30	Modular cable RJ11		15

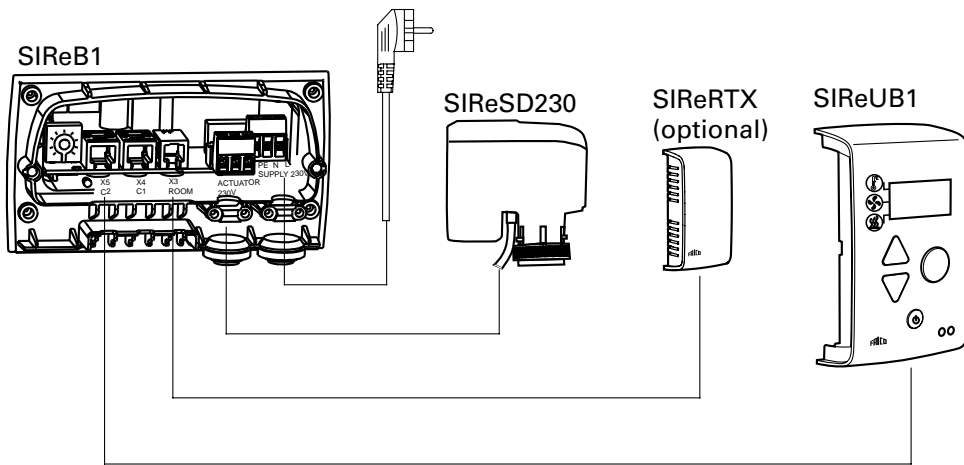
Water regulation

Valve kit VOS, VOSP, VMO and VMOP is used for regulation of water flow.

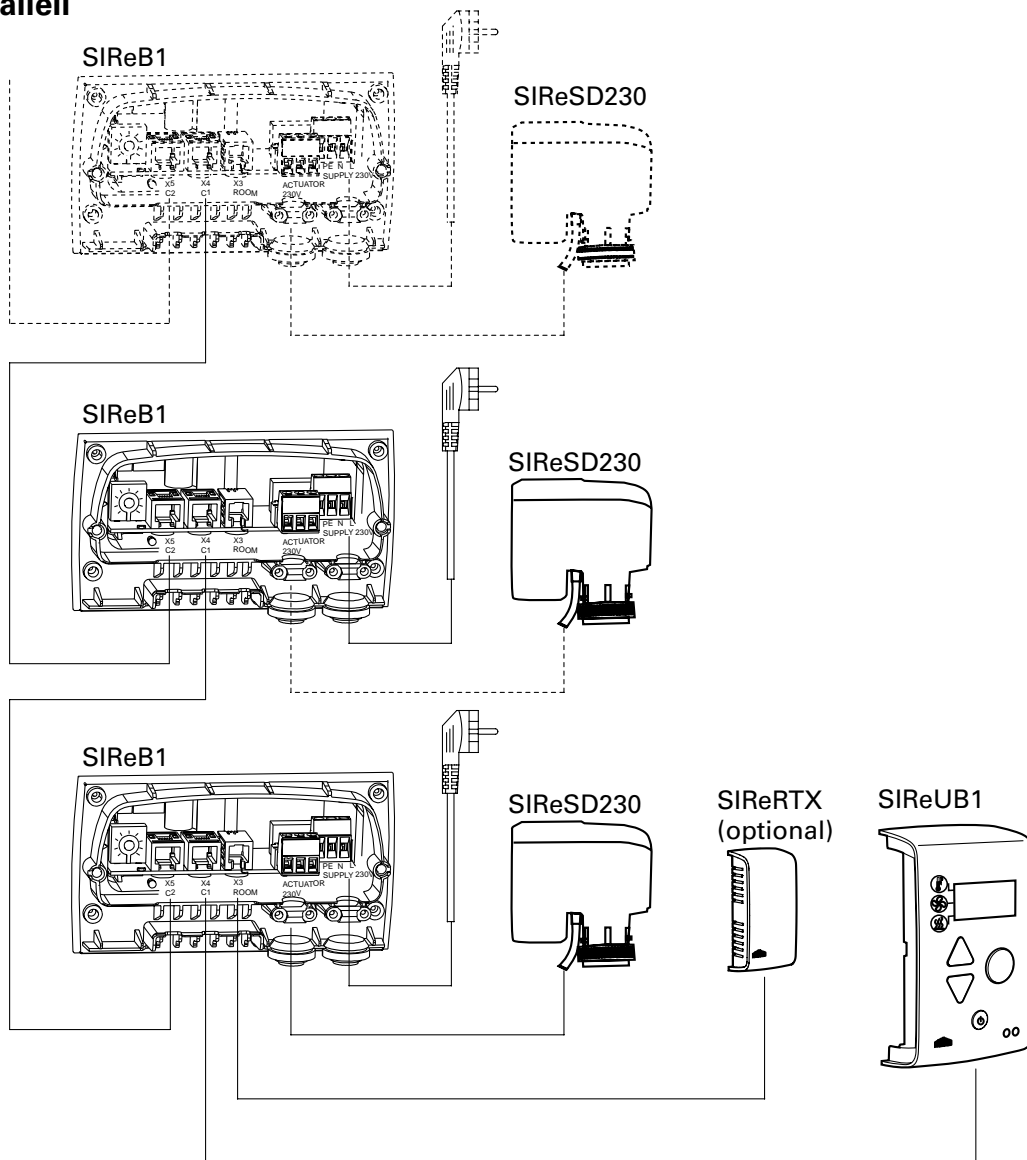
Type	RSK-nr	Description	Flow	Connection
VMO15LF	673 09 47	Modulating valve kit	Low	DN15
VMO15NF	673 09 48	Modulating valve kit	Normal	DN15
VMO20	673 09 49	Modulating valve kit	Normal	DN20
VMO25	673 09 50	Modulating valve kit	Normal	DN25
VMOP15LF	673 09 51	Pressure independent and modulating valve kit	Low	DN15
VMOP15NF	673 09 52	Pressure independent and modulating valve kit	Normal	DN15
VMOP20	673 09 53	Pressure independent and modulating valve kit	Normal	DN20
VMOP25	673 09 54	Pressure independent and modulating valve kit	Normal	DN25
VOS15LF	673 09 35	Valve kit on/off	Low	DN15
VOS15NF	673 09 36	Valve kit on/off	Normal	DN15
VOS20	673 09 37	Valve kit on/off	Normal	DN20
VOS25	673 09 38	Valve kit on/off	Normal	DN25
VOSP15 LF	673 09 43	Pressure independent valve kit	Low	DN15
VOSP15NF	673 09 44	Pressure independent valve kit	Normal	DN15
VOSP20	673 09 45	Pressure independent valve kit	Normal	DN20
VOSP25	673 09 46	Pressure independent valve kit	Normal	DN25
VAT	482 98 30	Adjustment tool for valve kit		

Wiring diagrams

Basic

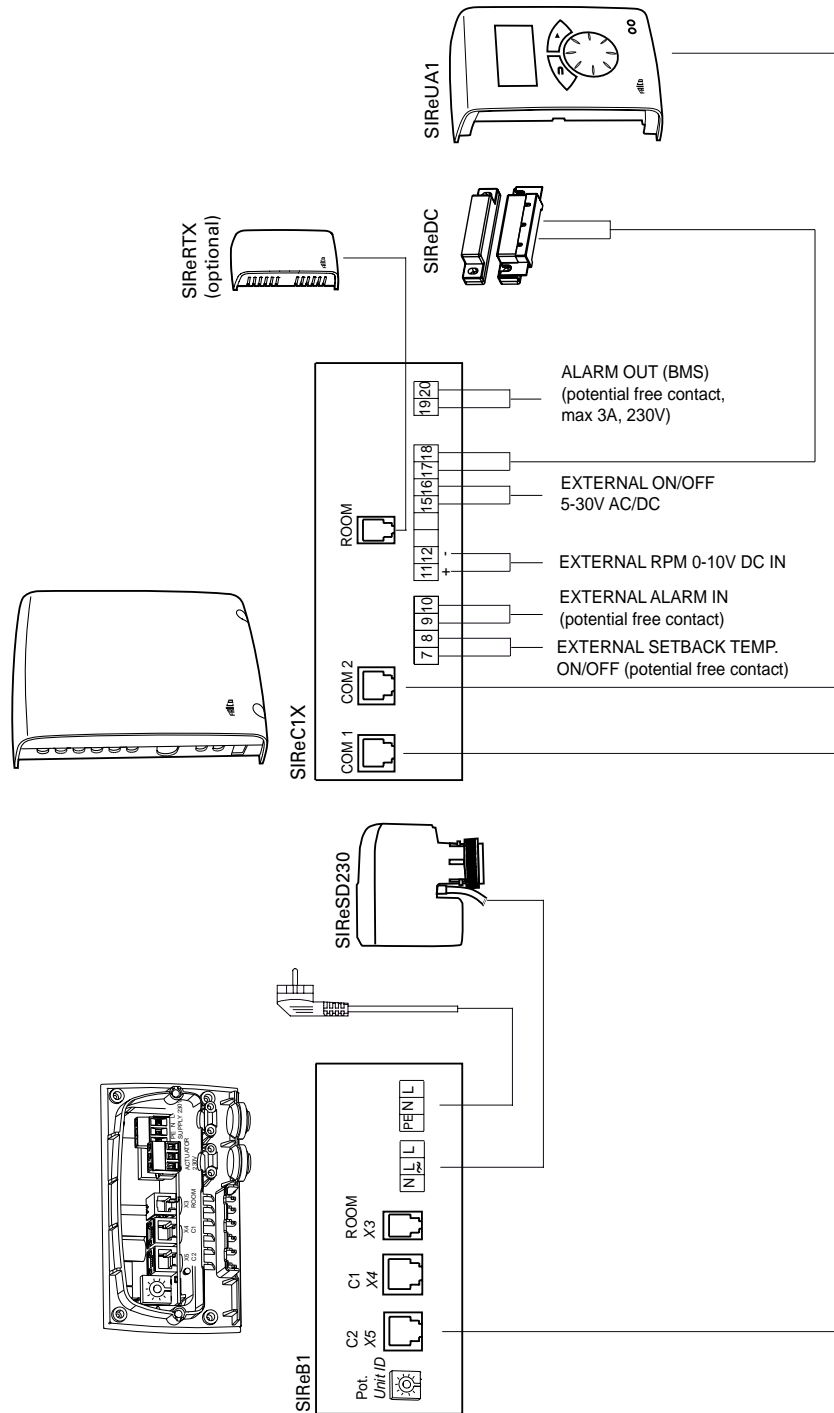


Basic - parallel

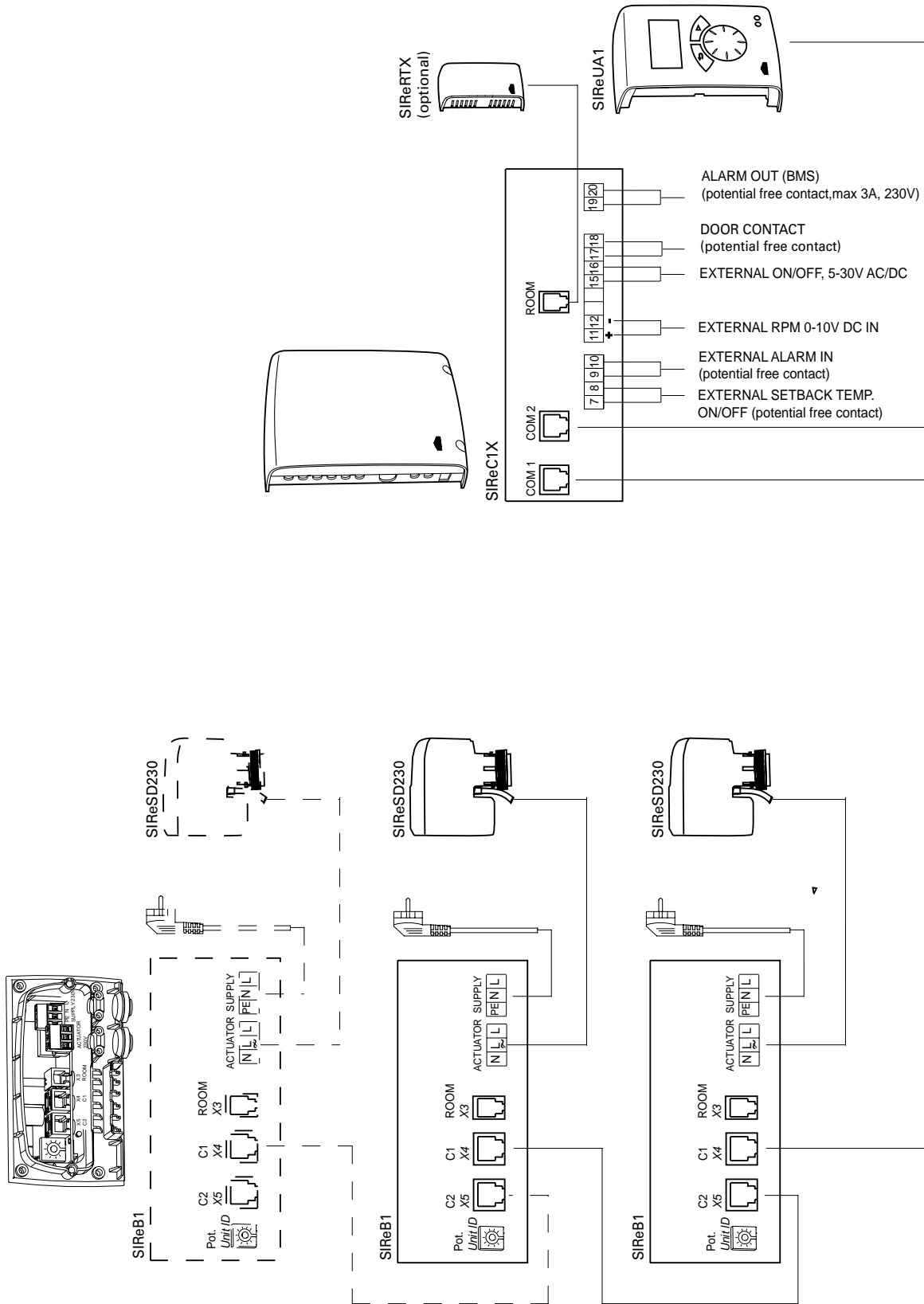


Thermozone AD Corinte W - ADCS

Competent

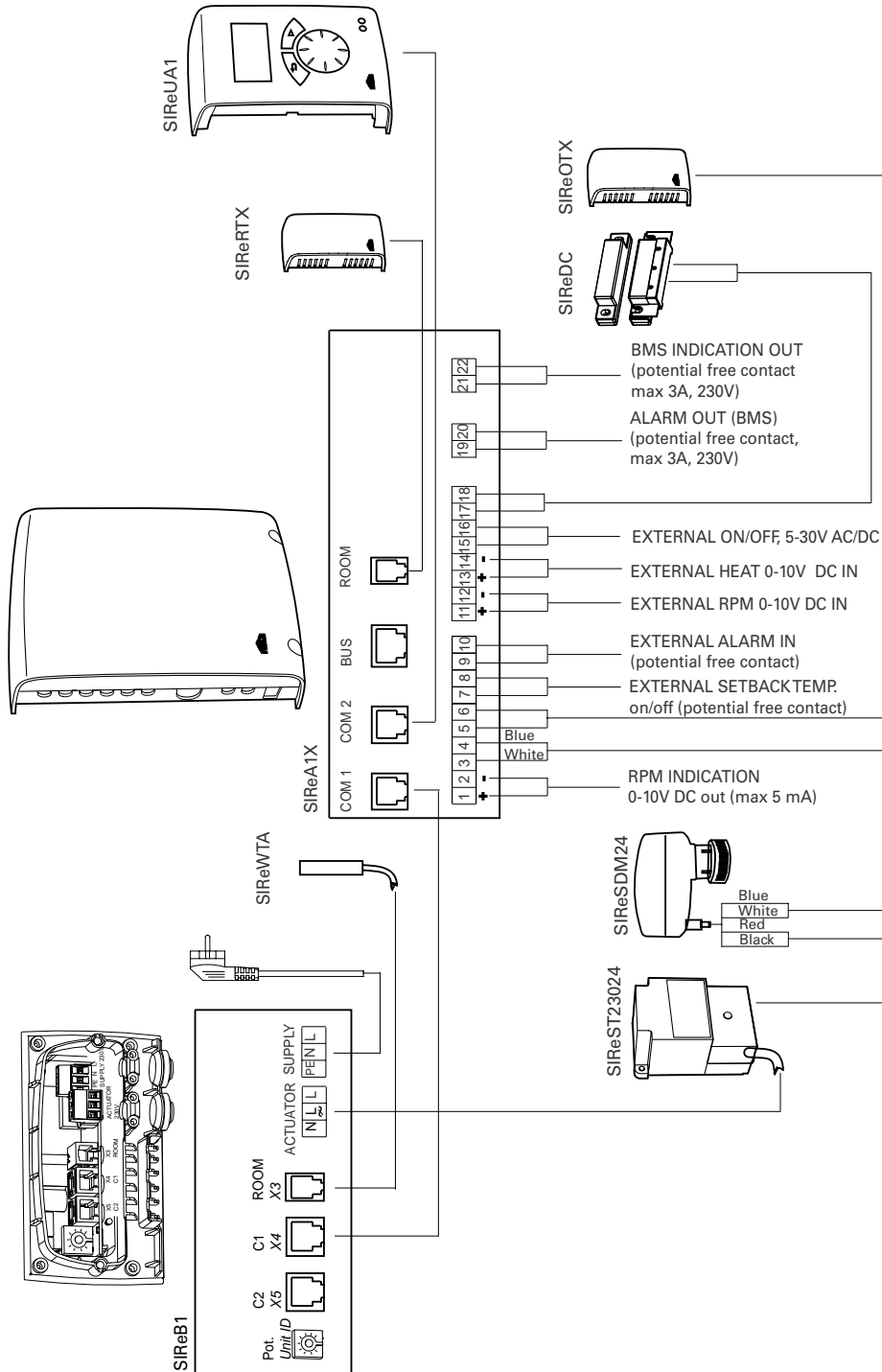


Competent - parallel



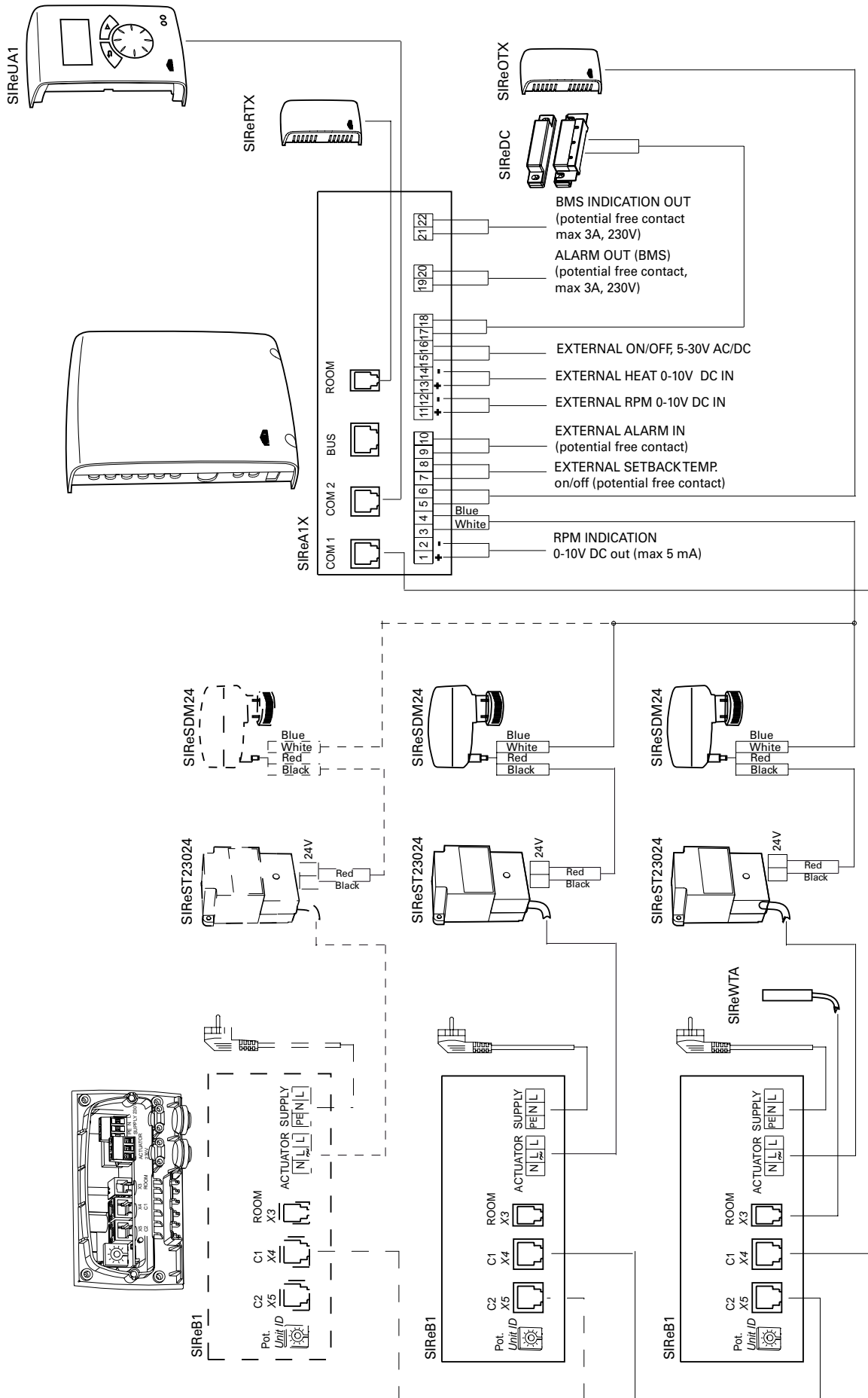
Thermozone AD Corinte W - ADCS

Advanced



Thermozone AD Corinte W - ADCS

Advanced - parallel



Thermozone AD Corinte W - ADCS

AD Corinte W - ADCS Low temperature coil

In- / outlet water temperature 70/40 °C								
			Inlet air temp. +15 °C			Incoming air temp. +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	21.8	36	0.17	18.5	38	0.14
	min	1400	13.5	43	0.10	11.5	44	0.09
ADCS22	max	4000	30.7	37	0.24	26.2	39	0.20
	min	1800	18.4	45	0.14	15.8	45	0.12
ADCS25	max	4500	35.1	38	0.27	30.0	39	0.23
	min	2050	21.2	45	0.16	18.2	46	0.14

Incoming / outgoing water temperature 60/40 °C								
			Incoming air temp. = +15 °C			Incoming air temp. = +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	19.4	34	0.23	16.2	36	0.19
	min	1400	12.0	40	0.14	10.1	41	0.12
ADCS22	max	4000	27.0	35	0.32	22.8	37	0.27
	min	1800	16.1	41	0.19	13.7	42	0.16
ADCS25	max	4500	30.8	35	0.36	26.0	37	0.31
	min	2050	18.5	42	0.22	15.7	43	0.18

Incoming / outgoing water temperature 60/30 °C								
			Incoming air temp. = +15 °C			Incoming air temp. = +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	14.4	29	0.11	10.9	31	0.08
	min	1400	9.2	34	0.07	7.1	35	0.05
ADCS22	max	4000	20.7	30	0.16	15.9	32	0.12
	min	1800	12.8	36	0.10	10.0	36	0.07
ADCS25	max	4500	23.8	31	0.18	18.5	32	0.14
	min	2050	14.8	36	0.11	11.6	37	0.09

Incoming / outgoing water temperature 55/35 °C								
			Incoming air temp. = +15 °C			Incoming air temp. = +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	16.1	31	0.19	12.9	33	0.15
	min	1400	10.0	36	0.11	8.1	37	0.09
ADCS22	max	4000	22.6	32	0.27	18.2	33	0.21
	min	1800	13.6	37	0.16	11.1	38	0.13
ADCS25	max	4500	25.9	32	0.30	21.0	34	0.25
	min	2050	15.7	38	0.18	12.8	38	0.15

Thermozone AD Corinte W - ADCS

AD Corinte W - ADCS High temperature coil

In- / outlet water temperature 130/65 °C								
			Inlet air temp. +15 °C			Incoming air temp. +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	30.8	45	0.11	28.6	48	0.10
	min	1400	20.0	57	0.07	18.6	59	0.06
ADCS22	max	4000	42.8	46	0.15	39.7	49	0.14
	min	1800	27.1	59	0.09	25.2	61	0.09
ADCS25	max	4500	48.8	47	0.17	45.3	49	0.16
	min	2050	31.1	59	0.11	29.0	61	0.10

Incoming / outgoing water temperature 90/70 °C								
			Incoming air temp. = +15 °C			Incoming air temp. = +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	26.4	40	0.31	24.3	43	0.28
	min	1400	16.8	50	0.20	15.4	52	0.18
ADCS22	max	4000	36.0	41	0.43	33.1	44	0.39
	min	1800	22.3	51	0.26	20.6	53	0.24
ADCS25	max	4500	40.8	41	0.48	37.6	44	0.44
	min	2050	25.5	51	0.30	23.5	53	0.28

Incoming / outgoing water temperature 82/71 °C								
			Incoming air temp. = +15 °C			Incoming air temp. = +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	25.4	40	0.55	23.3	42	0.50
	min	1400	16.0	48	0.34	14.7	51	0.31
ADCS22	max	4000	34.5	40	0.74	31.7	43	0.68
	min	1800	21.2	49	0.46	19.5	51	0.42
ADCS25	max	4500	39.1	40	0.84	35.9	43	0.77
	min	2050	24.2	49	0.52	22.2	52	0.48

Incoming / outgoing water temperature 80/60 °C								
			Incoming air temp. = +15 °C			Incoming air temp. = +20 °C		
Type	Fan position	Airflow [m³/h]	Output [kW]	Air temp. out [°C]	Water flow [l/s]	Output [kW]	Air temp. out [°C]	Water flow [l/s]
ADCS17	max	3000	22.0	36	0.26	19.9	39	0.23
	min	1400	14.0	44	0.16	12.7	46	0.15
ADCS22	max	4000	30.1	37	0.35	27.3	40	0.32
	min	1800	18.7	45	0.22	17.0	47	0.20
ADCS25	max	4500	34.2	37	0.40	31.0	40	0.36
	min	2050	21.4	45	0.25	19.4	47	0.23

Thermozone AD Corinte W - ADCS

Technical specifications | Thermozone AD Corinte WL with water heat, coil for low tempered water < 80/60 °C ♠

Type	Output* ⁴	Airflow	$\Delta t^{*3,4}$	Water volume	Sound level* ⁵	Output motor	Voltage motor	Amperage motor	Length	Weight
	[kW]	[m ³ /h]	[°C]	[l]	[dB(A)]	[W]	[V]	[A]	[mm]	[kg]
ADCS17WL * ¹	33	1400/3000	42/32	2,8	39/59	1060	230V~	3,6	1700	85
ADCS22WL	46	1800/4000	43/33	3,6	42/60	1565	230V~	4,3	2200	110
ADCS25WL * ²	52	2050/4500	43/34	4,0	42/61	1750	230V~	5,0	2450	125

Technical specifications | Thermozone AD Corinte WH with water heat, coil for high tempered water ≥80/60 °C ♠

Type	Output* ⁴	Airflow	$\Delta t^{*3,4}$	Water volume	Sound level* ⁵	Output motor	Voltage motor	Amperage motor	Length	Weight
	[kW]	[m ³ /h]	[°C]	[l]	[dB(A)]	[W]	[V]	[A]	[mm]	[kg]
ADCS17WH * ¹	22	1400/3000	30/22	2,8	39/59	1060	230V~	3,6	1700	85
ADCS22WH	30	1800/4000	31/22	3,6	42/60	1565	230V~	4,3	2200	110
ADCS25WH * ²	34	2050/4500	31/22	4,0	42/61	1750	230V~	5,0	2450	125

*1) ADCS17 is available only for horizontal mounting.

*2) ADCS25 is available only for vertical mounting.

*3) Applicable at water temperature 80/60 °C, air temperature in + 15 °C.

*4) Δt = temperature rise of passing air at maximum heat output and lowest/highest airflow.

*5) Conditions: Distance to the unit: 5 metres. Directional factor: 2. Equivalent absorption area: 200 m².

Protection class: IP20.

CE compliant.

Mounting and operating instructions

General Instructions

Read these instructions carefully before installation and use. Keep this manual for future reference.

The guarantee is only valid if the units are used in the manner intended by the manufacturer and in accordance with the Frico mounting and operating instructions.

Application

The Thermozone AD Corinte W - ADCS air curtain is supplied with a water coil and is intended for permanent installation above or beside entrance doors and other openings up to 3,5 metres in height. Protection class: IP20.

Operation

Air is drawn in at the top/rear of the unit and blown out downwards/outwards so that it shields the door opening and minimizes heat loss. To achieve the optimum curtain effect the unit must extend the full height/width of the door opening.

The grille for directing exhaust air is adjustable and is normally angled outwards to achieve the best protection against incoming cold air.

The efficiency of the air curtain depends on the air temperature, pressure differences across the doorway and any wind pressure. **NOTE! Negative pressure in the building considerably reduces the efficiency of the air curtain. The ventilation should therefore be balanced.**

Vertical mounting

The unit is mounted vertically on the floor with the exhaust opening facing outwards.

Before installation, decide whether any electrical connections or water connections are to be made from below.

Leave the protective plastic in place during installation. Take care to avoid damaging the surfaces. For installation see Figure 4.

1. Undo the screws in the front panel.
2. Undo the screws that secure the front panel to the exhaust grille.
- 3–4. Take off the front panel.

5. Place the edging on the floor and if necessary secure it with bolts or similar in the countersunk holes (see Fig. 7). Place the air curtain on the edging.
6. A flat bar is included for securing the air curtain. Fixate the air curtain through the square-shaped hole. Make sure that the flat bar is not bent when fixing.
7. Secure the top with an angle bracket or similar to prevent the air curtain from toppling over. There is a hole in the centre of the top of the air curtain with an internal M6 thread for securing the bracket.

To remove dirt and finger prints, polish the panels with a suitable cleanser. Any print that may be on the panels is removed with a suitable solvent.

Horizontal mounting

The unit is mounted horizontally with the outlet facing downwards. Do not remove the protecting plastic until mounting is completed. Be careful so the surfaces are not damaged.

Mounting less than 180 mm from the ceiling is not recommended since it will reduce the flow through the unit.

Two brackets are delivered with the unit for mounting on the wall or hanging from the ceiling.

Horizontal mounting on the wall

1. Mount the brackets on the wall according to measures in Fig. 6a and 6b.
2. Put the unit in place and lock it with an hexagon key and the included M8 screws. Apply Loctite 270 (3 ml) on the screws (included on delivery).

Horizontal mounting on the ceiling

1. Mount pendulums or similar (not included on delivery) on the ceiling with c-c distance according to Fig. 6a and 6b.
2. Mount the brackets on the unit with an hexagon key and the included M8 screws. Apply Loctite 270 (3 ml) on the screws (included on delivery).

3. Put the unit in place and fix the brackets to the pendulums.

Note! The unit needs to be secured if hung from wires.

Electrical installation

The unit has cable and plug.

The installation, which should be preceded by an omnipolar switch with a contact separation of at least 3 mm, should only be wired by a competent electrician and in accordance with the latest edition of IEE wiring regulations.

The control system is pre-installed in the aircurtain with an integrated control card, (see fig 8).

SIRe is supplied pre-programmed with quick-release connections.

Modular cables are connected to the control board Base, by opening the front plate, as shown in Figure 4 and 5. See manual for SIRe.

Change connection side of water coil

If you wish to connect the water coil in the opposite orientation to that delivered, remove the front panel (see Fig 4). To take out the water coil, see Fig 3.

1. Unscrew the outer screws from the coil with for example a hexagonal key ¼". See Fig. 3.
2. Loosen the inner screws on the coil, but do not remove them on the air curtain.
3. Lift out the water coil and turn it.
4. Mount the coil in reverse order.

Connection of water coil

The air curtain has an aluminium finned heating coil with copper tubes suitable for connection to a closed water heating system. The heating coil must not be connected to a mains pressure water system or an open water system.

The unit is connected from above or below to Ø22 mm copperpipes, by compression fitting or through welding the pipe work to the unit.

The upper side of the heating coil is equipped with ventilating valve in the unit. The heating coil should be ventilated before operation to prevent air locks.

When mounting the unit vertically, water connection can be carried out from the top or

bottom. The connection from below can be done the following way:

- Flexible hoses may be drawn through drilled holes in the floor and connected to the air curtain pipes. The flexible hoses are connected to the system beneath the floor.

Note! At connection from below, avoid placing hoses or pipes so that they obstruct the air flow to the fans. If necessary, secure them to avoid vibrations and prevent them from being sucked into the fans.

When mounting the unit horizontally, water connection can be carried out from the left or right. The lid on the top side of the unit is sliding to be adjustable to the water pipe dimension. (see Fig 6a).

Adjustment of air flow

The direction and speed of the air flow should be adjusted considering the load on the opening. Compressive forces affect the air stream and make it bend inwards into the premises (when the premises are heated and the outdoor air is cold). The air stream should therefore be directed outwards to withstand the load. (Generally speaking, the higher the load, the bigger the angle needed.)

With an hexagon key, loosen the three screws supporting the outlet grille. Angle the grille outwards to obstruct the incoming cold air.

Overheating

The over heat protection maintains the exhaust temperature at +40 °C. If the temperature should exceed anyway there is an over heating alarm. For more information see the manual for SIRe.

Maintenance

To ensure performance and reliability of the air curtain inspection should be carried out regularly, at least twice a year, but this can vary depending on local conditions. This is to secure the performance of the air curtain.

A clogged filter doesn't present a risk, but will reduce the efficiency of the air curtain.

The inlet grille works as a filter and should be vacuumed regularly. The water battery should be cleaned when necessary in the following way:

1. Disconnect the power supply.
2. Loosen the two screws of the air intake grille with a hexagon key and remove the grille.
3. Carefully wipe the fins of the heating coil with a wet cloth.
5. Remount the air intake grille.
6. Connect the power.

Filter cassettes, that the unit may be equipped with, cannot be cleaned but need to be changed when they are soiled or when the airflow is reduced. The basic filter is cleaned with water and a gentle cleaning agent.

Since fan motors and other components are maintenance free, no maintenance other than cleaning is necessary, undertake cleaning at least twice a year.

Safety

- *Ensure that the area around the intake and exhaust grille is kept free from material which could prevent the air to flow through the unit!*
- *During operation the surfaces of the unit are hot!*
- *This appliance is not intended for use by persons (including children) with reduced physical or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.*

Monterings- og driftsvejledning

Generelt

Læs denne vejledning grundigt før installation og brug. Gem denne manual til senere brug.

Garantien gælder kun, hvis Thermozone-aggregaterne bruges på den måde, producenten har tænkt, og i henhold til Fricos installations- og vedligeholdelsesvejledning.

Anvendelse

Thermozone AD Corinte W lufttæppe leveres med en vandspiral og er beregnet til permanent installation over eller ved siden af indgangspartier og andre åbninger med en højde på op til 3,5 meter. Kapslingsklasse: IP20.

Drift

Luften trækkes ind på toppen/siden af aggregatet og blæses nedad/udad, så den beskytter portåbningen og minimerer varmetabet. For at opnå den bedste tæppevirkning skal aggregatet dække portåbningen i hele dens højde/bredde.

Under installationen drejes udblæsningsgitteret, der er justerbar, normalt en smule udad, så luftstrømmen standser den indkommende kolde luft.

Lufttæppets effektivitet afhænger af belastningen på indgangen.

Bemærk, at undertryk i lokalerne vil reducere lufttæppets ydeevne betydeligt. Ventilationen bør derfor være afbalanceret.

Lodret montering

Aggregatet monteres lodret på gulvet, så udblæsningsåbningen vender udad.

Før installation skal man beslutte om evt. el- eller vandtilslutninger skal ske nedefra.

Lad beskyttelsesplasten være under installationen. Pas på ikke at beskadige overfladerne. Vedr. installation, se figur 4.

1. Løsn skruerne i frontpanelet.
2. Løsn skruerne, der holder frontpanelet fast på udblæsningsgitteret.
- 3-4. Tag frontpanelet af.
5. Anbring kantlisten på gulvet og gør den evt. fast med bolte eller lignende i de undersænkede huller (se fig. 7). Sæt lufttæppet på kantlisten.

6. Der medfølger et stykke fladjern til fastgørelse af lufttæppet. Gør lufttæppet fast gennem det firkantede hul. Kontrollér, at fladjernet ikke bøjes, når lufttæppet fastgøres.

7. Gør toppen fast med et vinkelbeslag eller lignende for at forhindre lufttæppet i at vælte. Der er et hul midt foroven på lufttæppet med et indvendigt M6-gevind til fastgørelse af beslaget.

Polér panelerne med et egnet rengøringsmiddel for at fjerne snavs og fingeraftryk. Evt. tryk på panelerne kan fjernes med et egnet rengøringsmiddel.

Vandret montering

Aggregatet monteres vandret, så udløbet vender nedad. Beskyttelsesplasten må ikke fjernes, før monteringen er færdig. Pas på ikke at beskadige overfladerne.

Det frarådes at montere lufttæppet mindre end 180 mm fra loftet, eftersom det vil reducere luftstrømmen gennem aggregatet.

Der medfølger to beslag til væg- eller loftsmontering af aggregatet.

Vandret montering på væggen

1. Montér beslagene på væggene – se målene i fig. 6a og 6b.
2. Sæt aggregatet på plads og lås det med en sekskantnøgle og de medfølgende M8 skruer. Påfør Loctite 270 (3 ml) på skruerne (medfølger).

Vandret montering i loftet

1. Montér pendler eller lignende (medfølger ikke) i loftet med c-c-afstanden, der er vist i fig. 6a og 6b.
2. Montér beslagene på aggregatet med en sekskantnøgle og de medfølgende M8 skruer. Påfør Loctite 270 (3 ml) på skruerne (medfølger).
3. Sæt aggregatet på plads og gør beslagene fast på pendlerne.

NB! Aggregatet skal sikres, hvis det hænges op i wirer.

Elektrisk installation

Aggregatet leveres med kabel og stik.

Installationen bør foretages med en flerpolet afbryder med en kontakt adskillelse på mindst 3 mm, og må kun tilsluttes af en autoriseret elektriker i overensstemmelse med den seneste udgave af IEE's installationsforskrifter.

Styresystemet er fabriksmonteret i lufttæppet med et integreret styreprint (se figur 8).

SIRE leveres forprogrammeret med "plug and play" forbindelser.

Modularkablerne forbindes til styreprintet ved at åbne frontpladen, som vist i figur 4 og 5. Se manualen for SIRE.

Skift tilslutningsside på vandspiralen

Hvis du vil tilslutte vandspiralen i den anden retning end den leverede, skal frontpanelet fjernes (se fig. 4). Tag vandspiralen ud som vist i fig. 3.

1. Skru de udvendige skruer af spiralen med fx en sekskantnøgle 1/4". Se fig. 3.
2. Løsn de indvendige skruer på spiralen, men de må ikke fjernes på lufttæppet.
3. Løft vandspiralen ud og vend den.
4. Montér spiralen i omvendt rækkefølge.

Tilslutning i vandspiralen

Lufttæppet har en varmespiral med aluribber med kobberør, der egner sig til tilslutning til et lukket vandbårent varmesystem. Varmespiralen må ikke tilsluttes til et vandsystem med ledningstryk eller et åbent vandsystem.

Aggregatet tilsluttes oven- eller nedefra til flade kobberør, Ø22 mm, med kompressionsfittings eller gennemgående svejsning i aggregatet.

Varmespiralen er på oversiden forsynet med en udluftningsventil i aggregatet. Varmespiralen bør udluftes før drift for at forhindre luftlommer.

Når aggregatet monteres lodret, kan vandtilslutningen udføres fra oven eller fra neden. Tilslutningen nedefra kan udføres som følger:

- Der kan trækkes fleksslanger gennem borede huller i gulvet og tilsluttes til lufttæppets rør. Flexslangerne tilsluttes til systemet under gulvet.

NB! Ved tilslutning nedefra skal man undgå at anbringe slanger eller rør, så de blokerer luftstrømmen til ventilatorerne. De kan evt. gøres fast for at undgå vibrationer og forhindre, at de suges ind i ventilatorerne.

Når aggregatet monteres vandret, kan vandtilslutningen udføres fra venstre eller højre. Låget oven på aggregatet er et skydelåg, så det kan tilpasses vandrørets mål. (se fig. 6a).

Justering af luftstrømmen

Luftstrømmens retning og hastighed bør justeres i forhold til portåbningens belastning. Trykkræfter påvirker luftstrømmen og bøjer den indad i lokalerne (når lokalerne er opvarmede, og udendørsluften er kold). Luftstrømmen bør derfor være vendt udad for at modstå belastningen. (Generelt gælder det, at jo højere belastning, jo større skal vinklen være).

Brug en sekskantnøgle til at løsne de tre skruer, der støtter udblæsningsgitteret. Anbring gitteret i en udadvendt vinkel for at blokere den indkommende kolde luft.

Overophedning

En overophednings beskyttelse sikrer at undlæsningstemperaturen ikke overstiger +40 °C. Skulle temperature alligevel overstige dette niveau er der en overophedningsalarm. For yderligere information, se manualen for SIRE.

Vedligeholdelse

Eftersyn og rengøring skal ske regelmæssigt for at sikre lufttæppets ydeevne og driftssikkerhed, mindst to gange om året, men hyppigheden kan variere alt efter lokale forhold. Formålet er at sikre lufttæppets ydeevne.

Et tilstoppet filter udgør ikke en risiko, men reducerer lufttæppets effektivitet.

Indsugningsgitteret fungerer som et filter og bør støvsuges regelmæssigt. Vandbeholderen bør rengøres som følger, når det er nødvendigt:

1. Afbryd strømforsyningen.
2. Løsn de to skruer på luftindsugningsgitteret med en sekskantnøgle og tag gitteret af.
3. Tør omhyggeligt ribberne på varmespiralen af med en fugtig klud.
5. Montér luftindsugningsgitteret igen.
6. Tilslut strømmen.

Filterkassetter, som aggrégatet kan være udstyret med, kan ikke rengøres, men skal evt. udskiftes, når de er snavsede, eller når luftstrømmen er reduceret.

Basisfilteret rengøres med vand og et mildt rengøringsmiddel.

Eftersom ventilatormotorerne og andre komponenter er vedligeholdelsesfri, kræves der ingen anden vedligeholdelse end rengøring, mindst to gange om året.

Sikkerhed

- *Det skal sikres, at området omkring indsugnings- og udblæsningsgitter holdes frit for materiale, der kunne forhindre luftstrømmen igennem aggrégatet!*
- *Under drift er aggrégatets overflader er varme!*
- *Dette apparat er ikke beregnet til brug af personer (heriblandt børn) med nedsat fysisk eller mental funktionsevne, eller manglende erfaring og viden, medmindre de er under opsyn eller får instruktion i brugen af apparatet af en person, der er ansvarlig for deres sikkerhed. Børn bør være under opsyn for at sikre, at de ikke leger med apparatet*

Main office

Frico AB
Box 102
SE-433 22 Partille
Sweden

Tel: +46 31 336 86 00
Fax: +46 31 26 28 25
mailbox@frico.se
www.frico.se

**For latest updated information and information
about your local contact: www.frico.se**