



Installation manual

DX Coil / Water Coil Drolplet Eliminator Compact L

DX Coil / Water Coil Compact R

D-EIMOC0003306-24_02EN

- › Compact L
- › Compact R

REV	02
DATE	September 2026
REPLACES	D-EIMOC0003306-24_01

1 Important warnings



The pictogram shows a situation of immediate danger or a dangerous situation that might cause injuries or death.



The pictogram shows that it is necessary to adopt suitable behaviour in order to avoid jeopardising staff safety and cause damages to the equipment.



The pictogram shows particularly important technical information that should be taken into consideration by the people installing or using the equipment.



Read this manual carefully before installation and keep it for any further future consultation by the various operators. Do not remove, tear out or rewrite any part of this manual.



Failure to follow these instructions may cause damage and injuries, even fatal, voids the warranty and relieves the Manufacturer of any liability.



All installation, assembly, electrical connections to the mains and ordinary/extraordinary maintenance must be performed **only by technicians complying with the legal requirements**, after turning off the unit and using personal protective equipment (i.e. gloves, protective goggles, etc.), in compliance with the regulations in force in the country the equipment is to be used in and the laws on safety in the workplace.



Installation, use or maintenance other than those specified in the manual may cause damage, injury or death, invalidate the warranty and relieve the Manufacturer of all liability.



Use protective clothing and suitable equipment while handling or installing the equipment, in order to prevent accidents and safeguard your own and other people's safety. Individuals not assigned to installation or maintenance are NOT allowed to stand or pass through the work area while the unit is assembled.



Before carrying out any installation, disconnect the equipment from the power supply and wait at least 120 seconds before carrying out any operation.



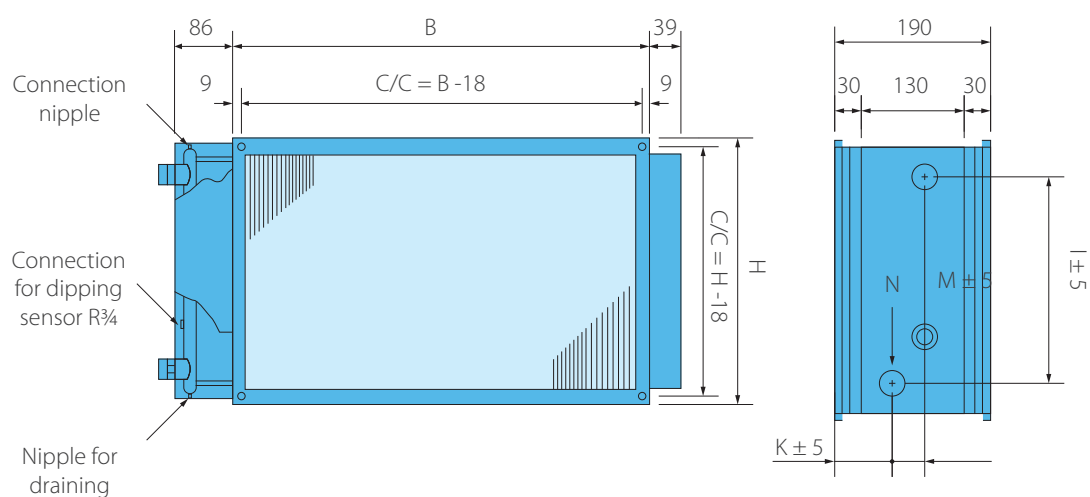
It is the responsibility of the user/installer to check the static and dynamic stability relative to the installation and to arrange environments so that **people who are not competent or authorised DO NOT have access to the unit or to its controls.**

2 Technical data

Water coils | Heating

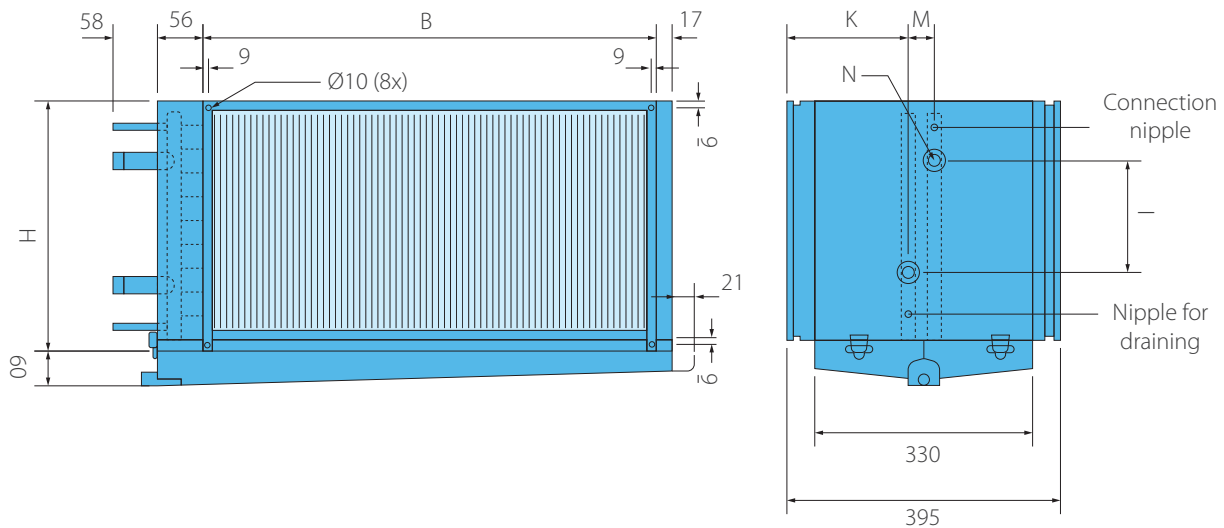
Compact L									
Size	Material name	B [mm]	H [mm]	I [mm]	K [mm]	M [mm]	N conn. R	Weight [kg]	Row of coil
02	ALD02HWUA	288	188	113	84	22	1/2"	4,8	2
03	ALD03HWUA	438	238	150	63	43	3/4"	5,0	2
04-05	ALD05HWUA	538	288	200	63	43	3/4"	7,0	2
06-07	ALD07HWUA	738	438	350	61	47	1"	10,5	2

Compact R									
Size	Material name	B [mm]	H [mm]	I [mm]	K [mm]	M [mm]	N conn. R	Weight [kg]	Row of coil
01	ALD03HWUA	438	238	150	63	65	3/4"	5,0	2
02	ARD02HWUA	538	288	200	63	43	3/4"	5,5	2
03	ALD05HWUA	538	338	250	63	43	3/4"	7,0	2
04	ARD04HWUA	638	338	250	63	43	3/4"	7,5	2
05	ALD07HWUA	738	438	358	61	47	1"	10,5	2
06	ARD06HWUA	838	438	350	66	58	1"	12,5	2
07	ARD07HWUA	1038	538	450	62	47	1"	16,0	2



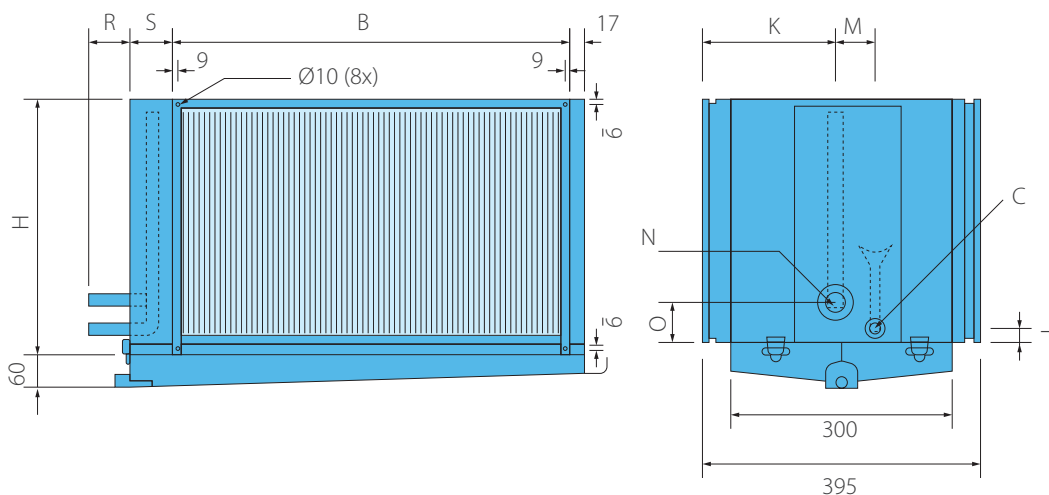
Water coils | Cooling

Compact L										
Size	Material name	B [mm]	H [mm]	I [mm]	K [mm]	M [mm]	N conn. R	Droplet Eliminator	Weight [kg]	Row of coil
02	ALD02CWSA	288	188	70	165	65	3/4"	ALD02DEA	5,0	4
03	ALD03CWSA	438	238	70	176	43	3/4"	ALD03DEA	11,8	4
04-05	ALD05CWSA	538	338	175	176	43	3/4"	ALD05DEA	15,3	4
06-07	ALD07CWSA	738	438	250	170	55	1"	ALD07DEA	24,3	4



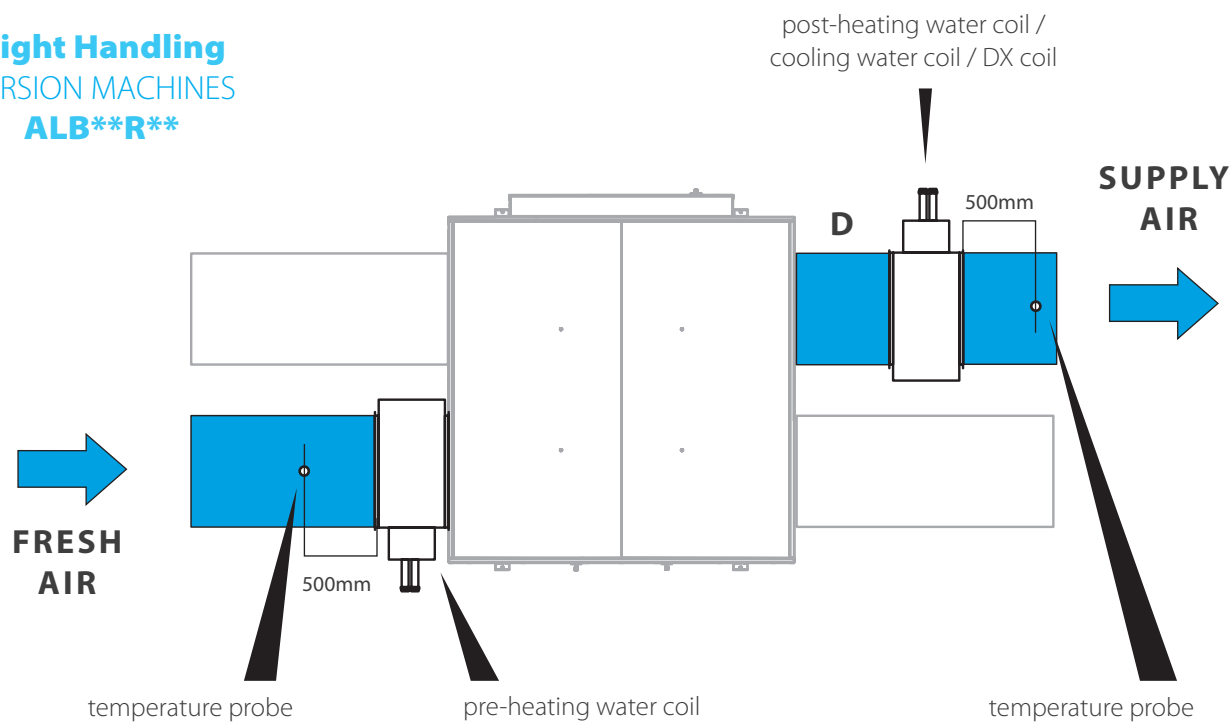
DX coils

Compact L															
Size	Material name	B [mm]	H [mm]	S [mm]	R [mm]	I [mm]	O [mm]	K [mm]	M [mm]	NØ	CØ	Inner pipe volume, l	Droplet Eliminator	Weight [kg]	Row of coil
04-05	ALD05CDSA	538	338	56	70	40	85	165	67	5/8"	3/8"	1.4	ALD05DEA	16,2	3
06-07	ALD07CDSA	738	438	56	70	40	85	165	67	5/8"	3/8"	2.5	ALD07DEA	22,8	3

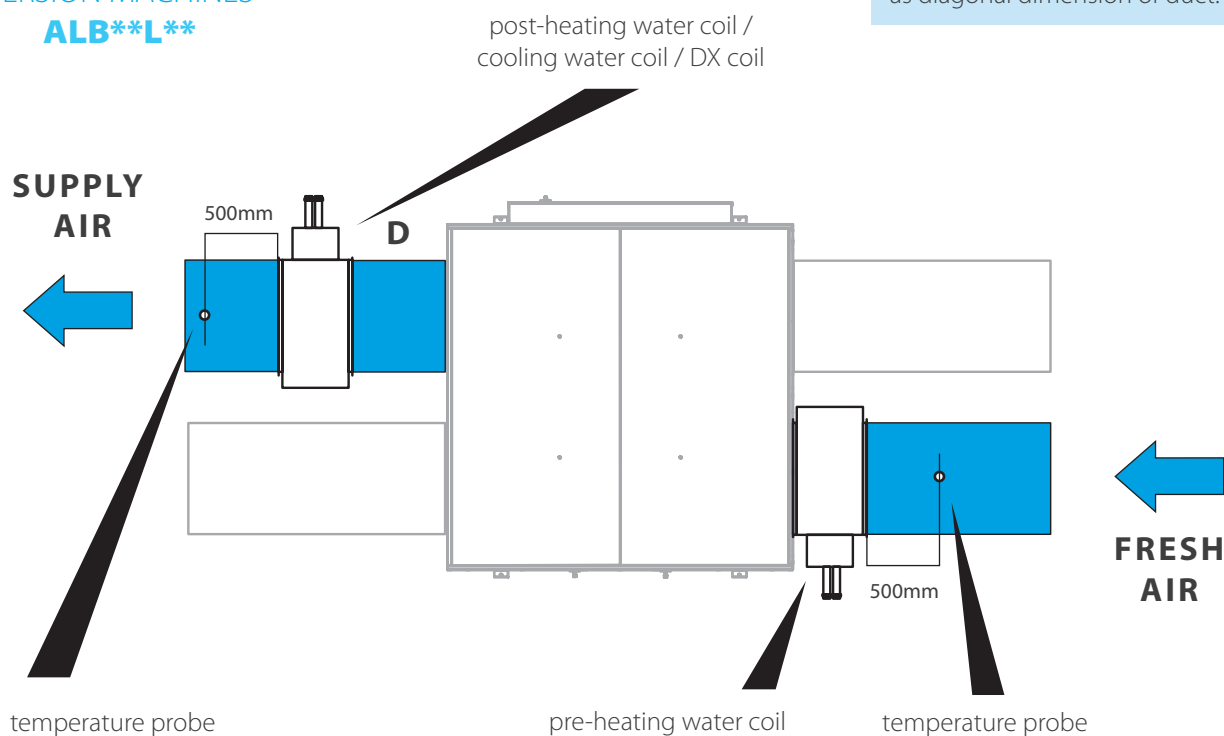


3 Installation

Right Handling VERSION MACHINES ALB**R**

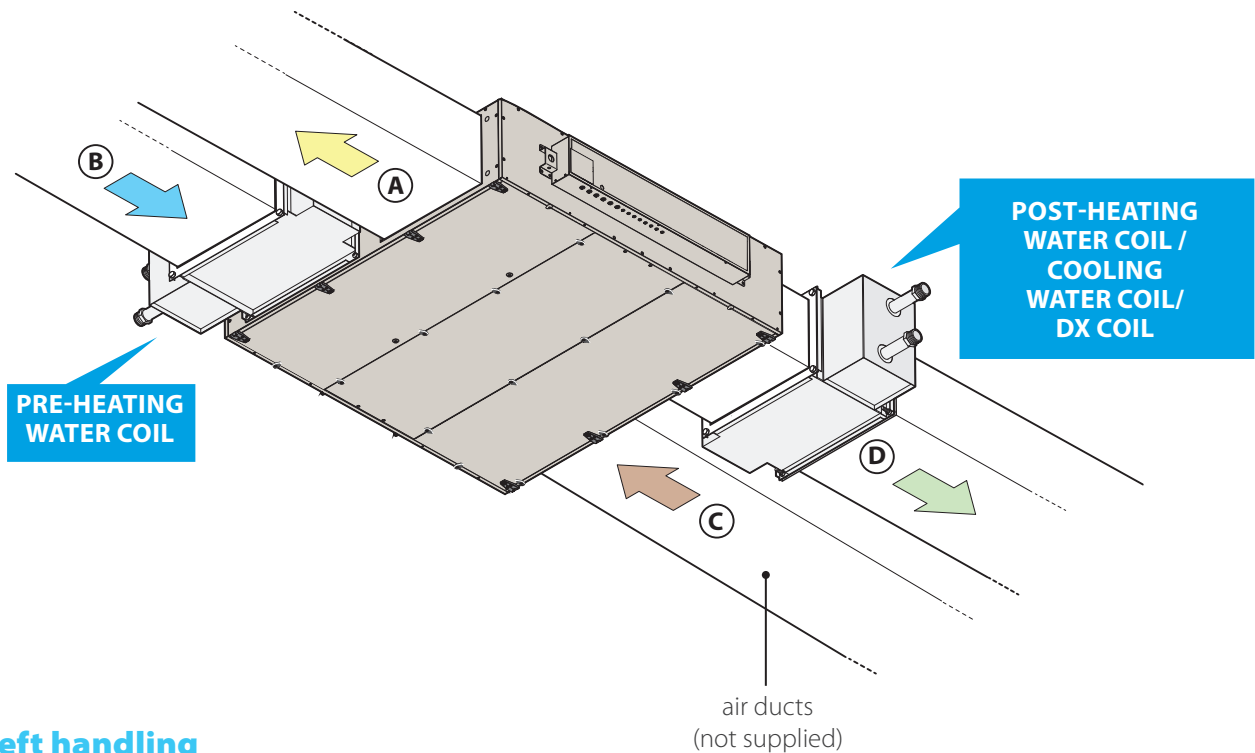


Left handling VERSION MACHINES ALB**L**

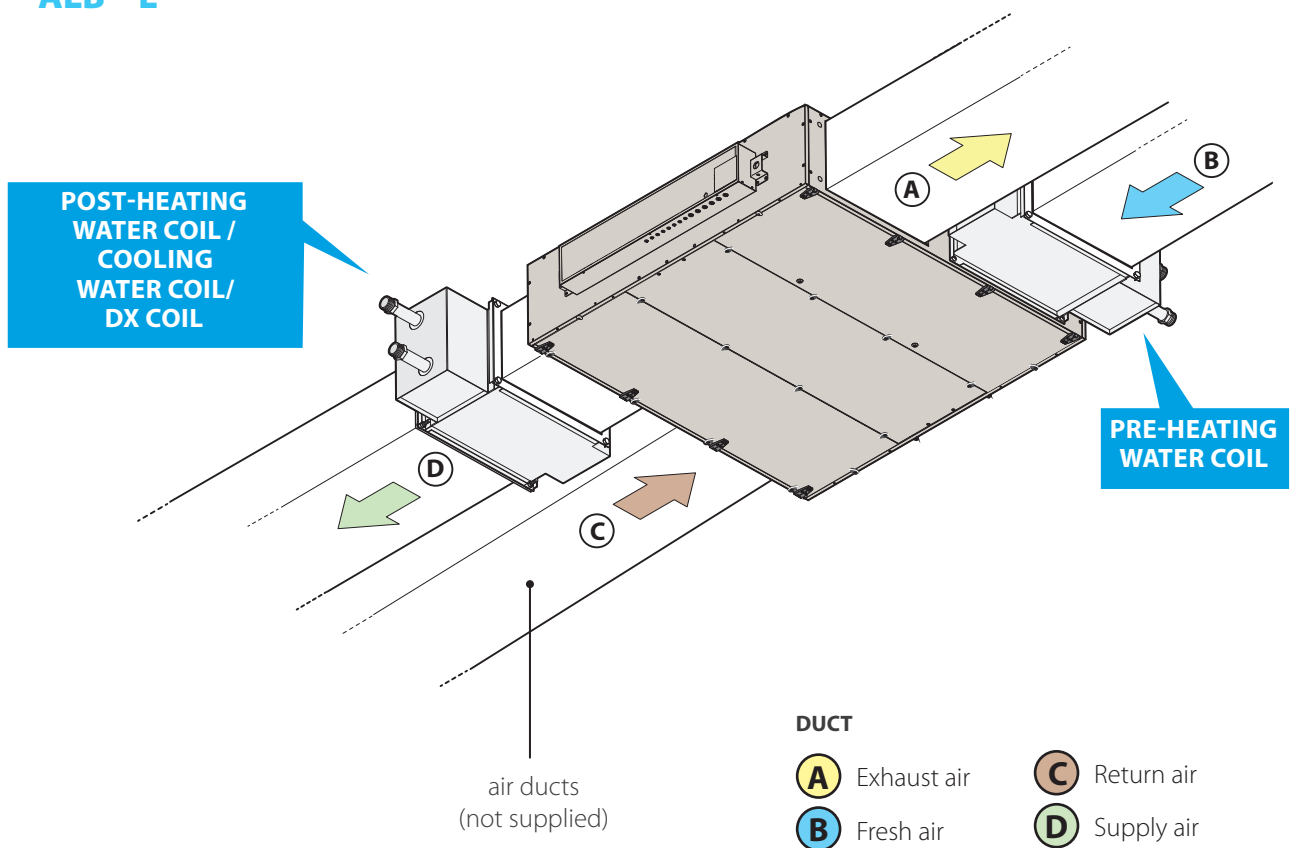


D = suggested distance between coil and unit: at least same as diagonal dimension of duct.

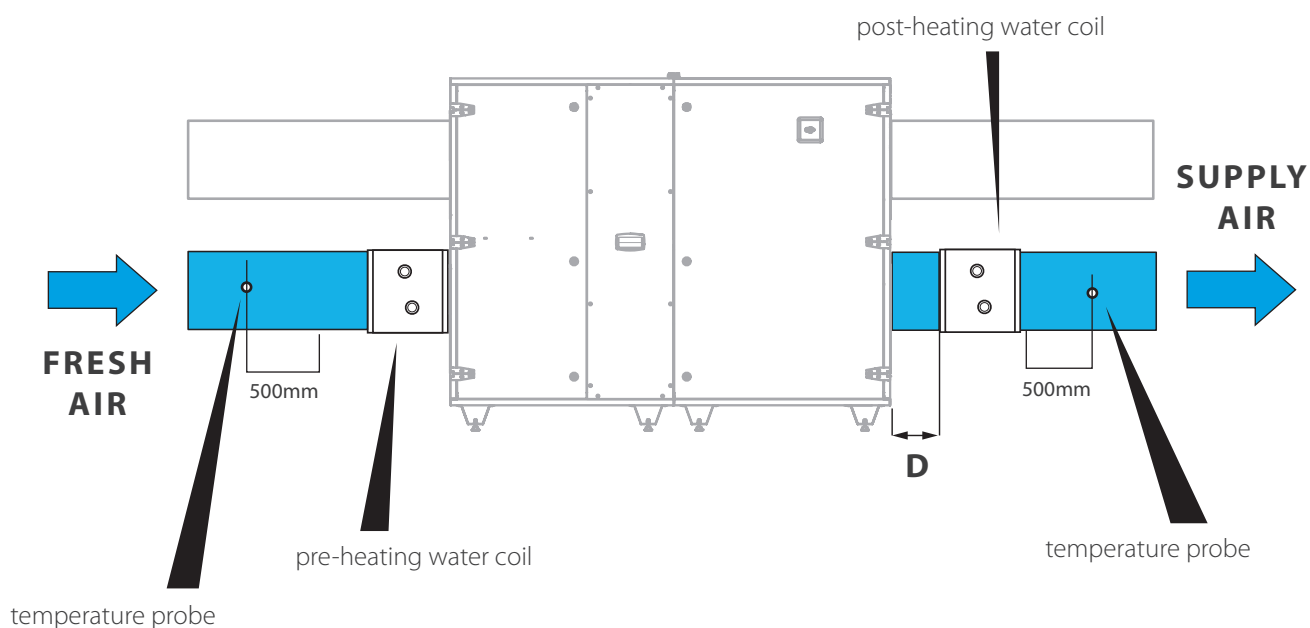
Right Handling
VERSION MACHINES
ALBR****



Left handling
VERSION MACHINES
ALBL****

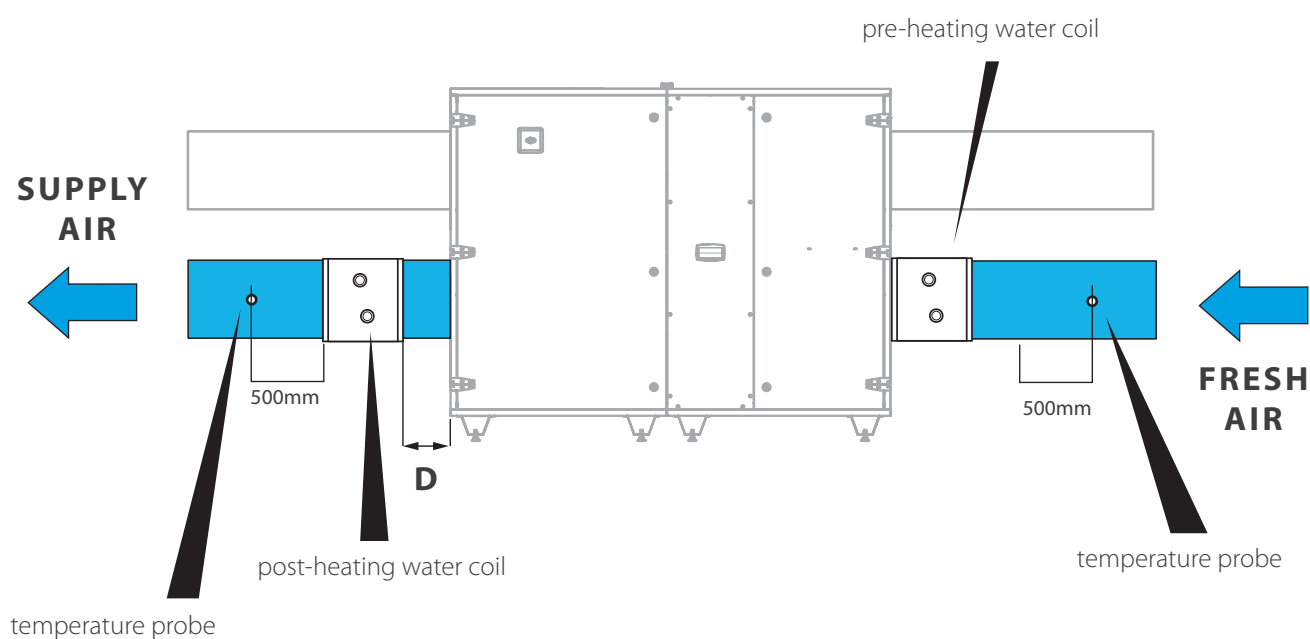


Right Handling
VERSION MACHINES
ARBR****

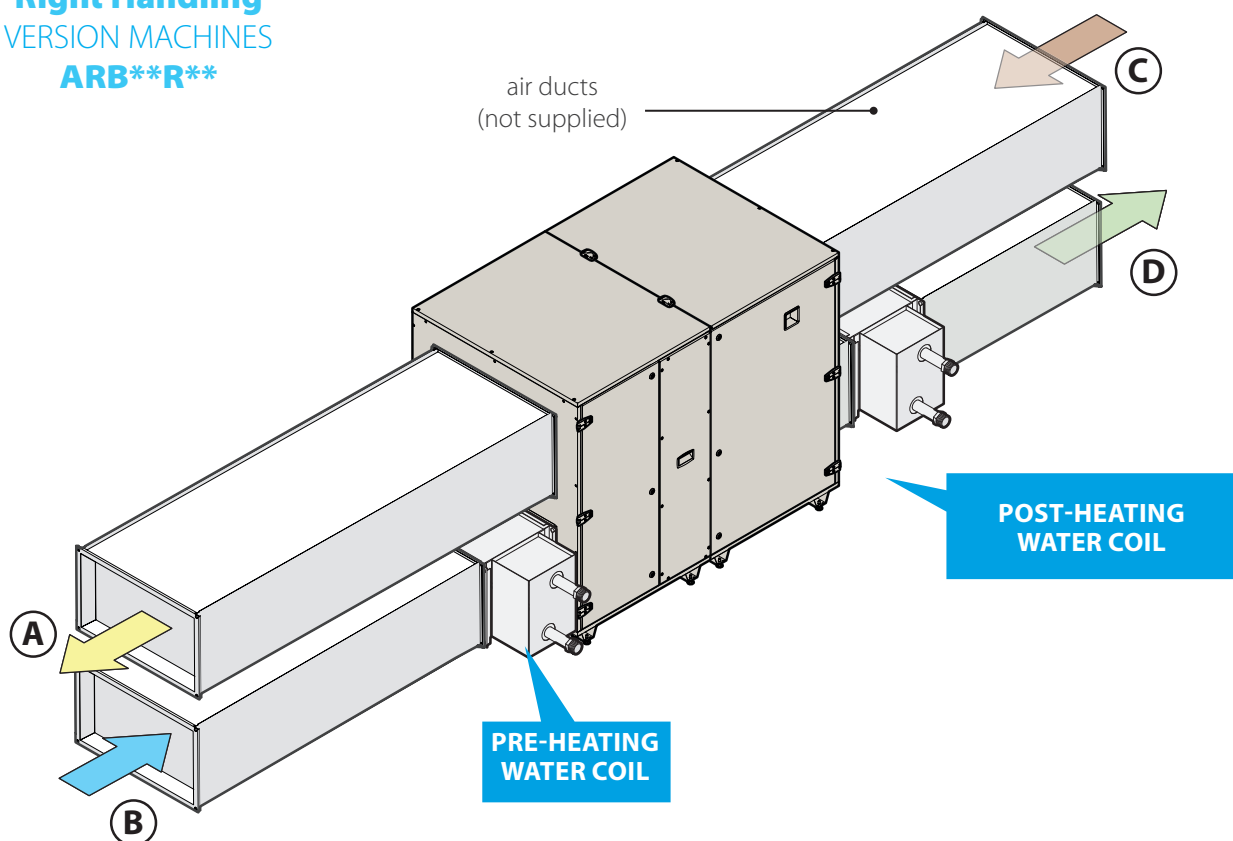


D = suggested distance between coil and unit; at least same as diagonal dimension of duct.

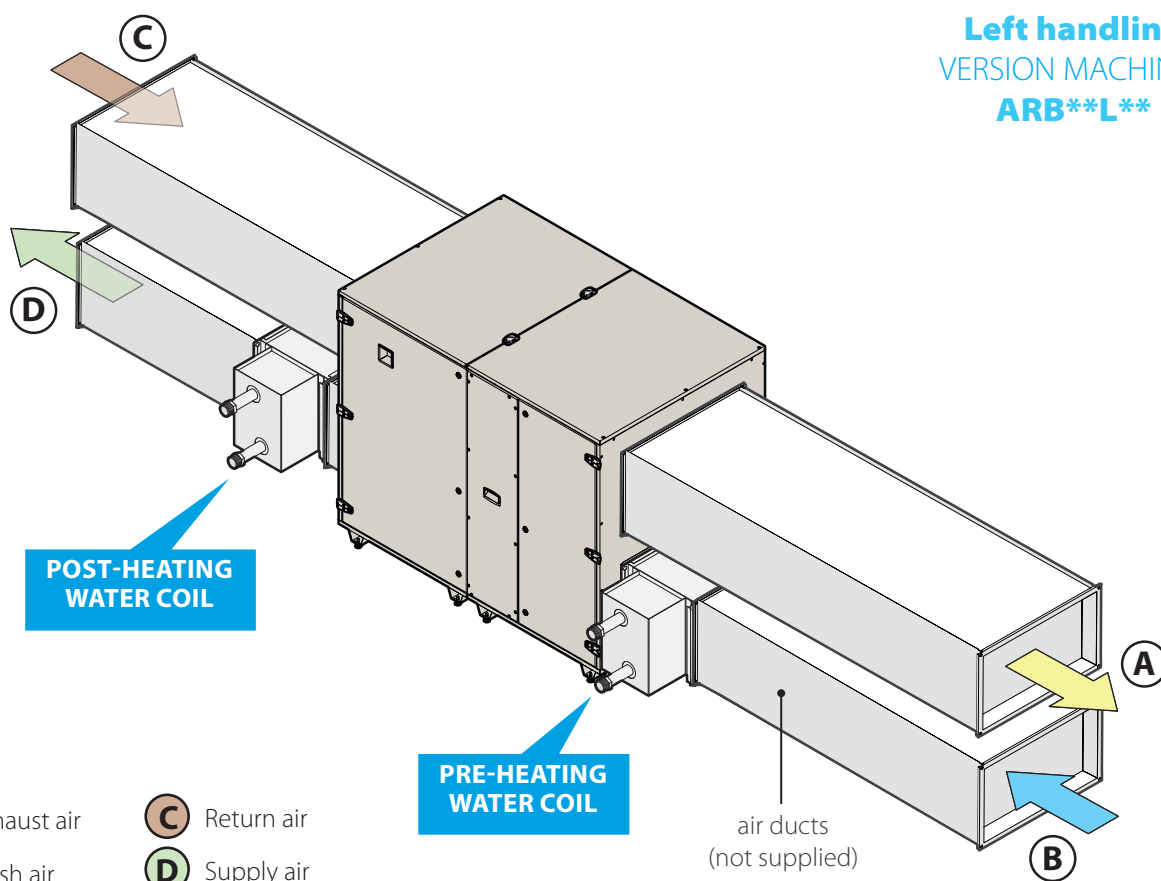
Left handling
VERSION MACHINES
ARBL****



Right Handling
VERSION MACHINES
ARBR****



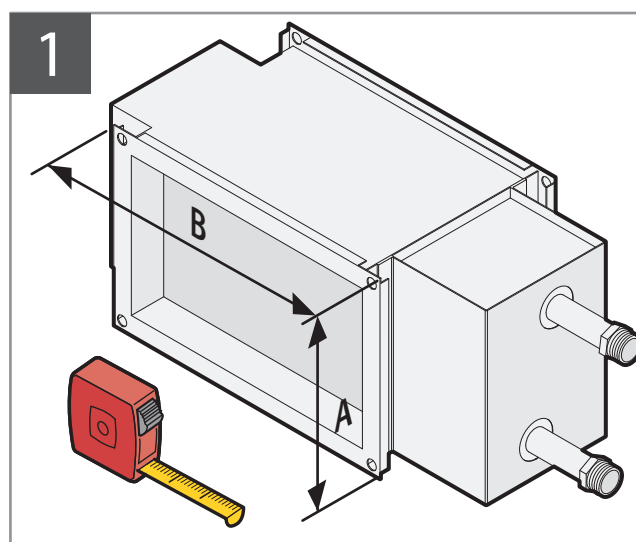
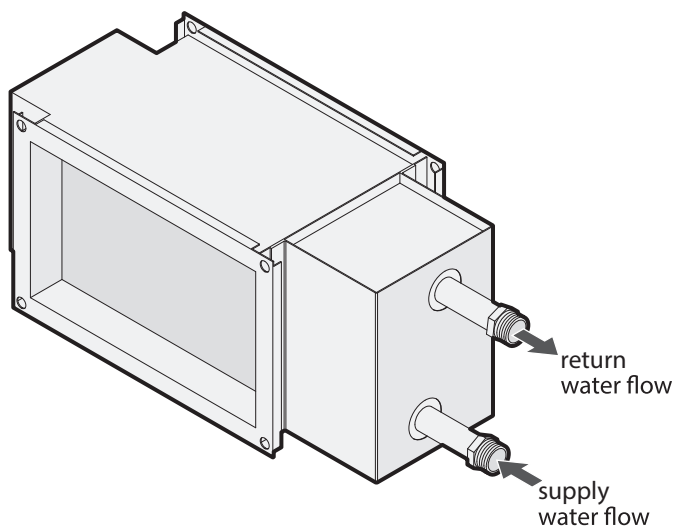
Left handling
VERSION MACHINES
ARBL****



DUCT

- (A)** Exhaust air
- (B)** Fresh air
- (C)** Return air
- (D)** Supply air

4 Correct installation



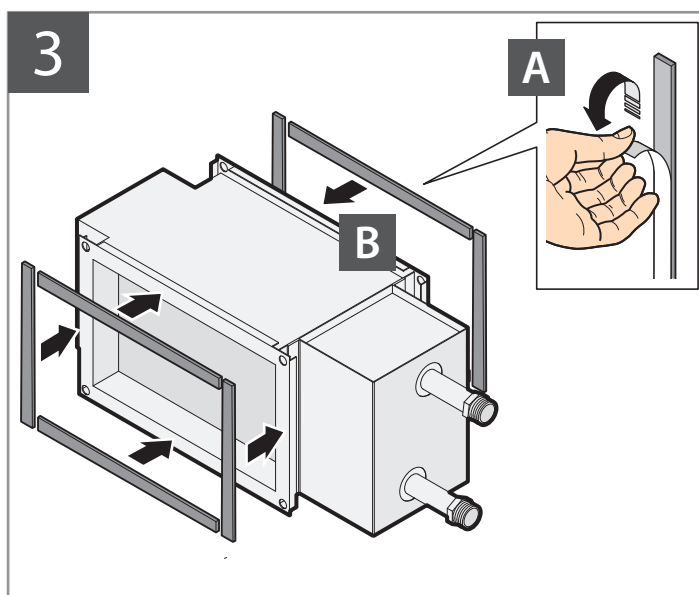
2

Compact L			Compact R		
Size	A	B	Size	A	B
02	150 mm	250 mm	01	200 mm	400 mm
03	200 mm	400 mm	02	250 mm	500 mm
04-05	300 mm	500 mm	03	300 mm	500 mm
06-07	400 mm	700 mm	04	300 mm	600 mm
			05	400 mm	700 mm
			06	400 mm	800 mm
			07	500 mm	1000 mm

$4A + 4B$

NOT SUPPLIED

x 8 pieces



4

A Connection between Coil and unit needs only screws

x4

Compact L
02-05 ▶ M5
06-07 ▶ M6

Compact R
01-07 ▶ M5

B Connection between Coil and duct needs screws and bolts

Not provided
L. min 1m

x4

Compact L
02-05 ▶ M5
06-07 ▶ M6

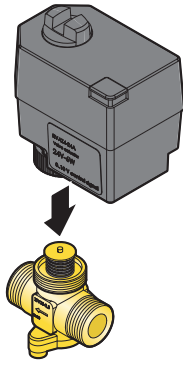
Compact R
02-05 ▶ M5

x4

5 Installation of coils

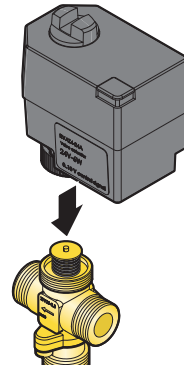
1a

ALE00AMVA



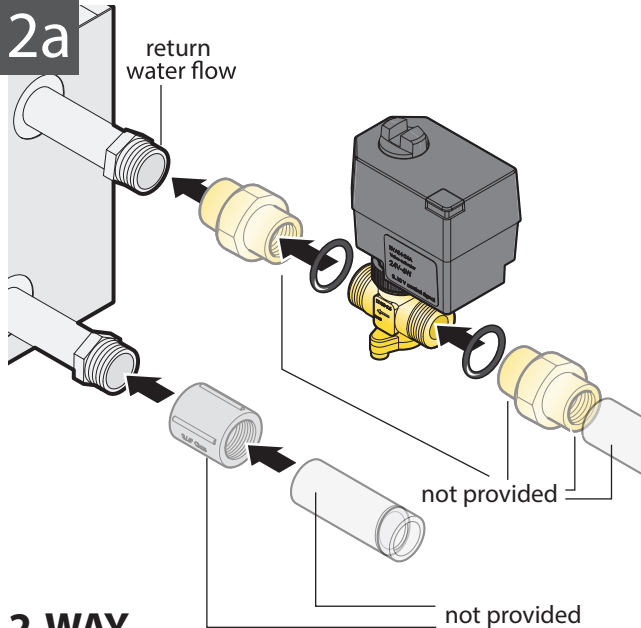
2-WAY

ALE00AMVA

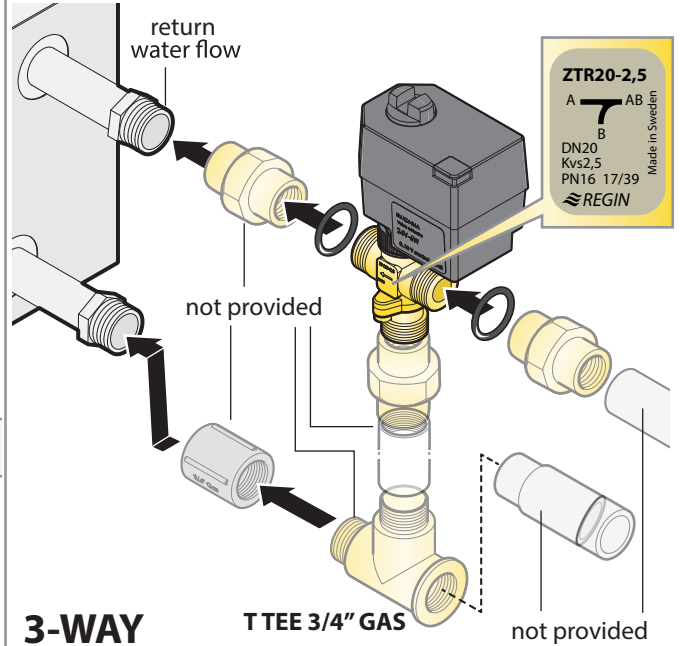


3-WAY

2a



2-WAY



3-WAY

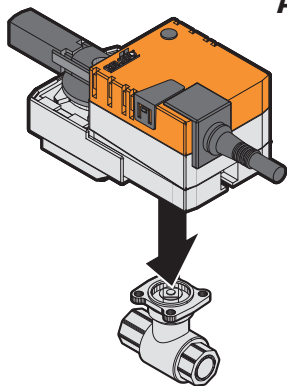
Electrical Wiring as per wiring diagram

Compact L				
Size	water valves		valve DN [inch]	coil DN [inch]
	2way	3way		
02	ALV02CW2A	ALV02CW3A	1/2	1/2
03	ALV03CW2A	ALV03CW3A	1/2	3/4
04-05	ALV05CW2A	ALV05CWA	3/4	3/4
06-07	ALV07CW2A	ALV07CW2A	3/4	1

6a Heating water coil valve (water coils only) for Compact L

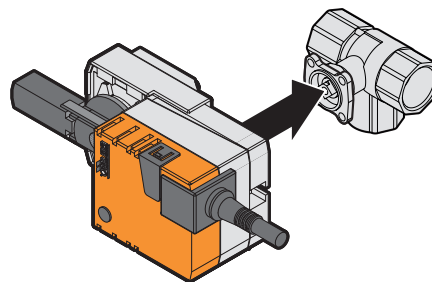
1b

ATE00AMVA



2-WAY

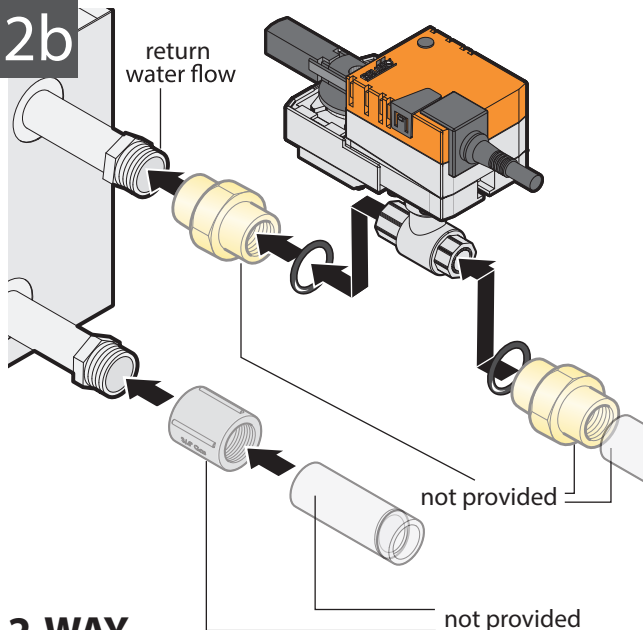
ATE00AMVA



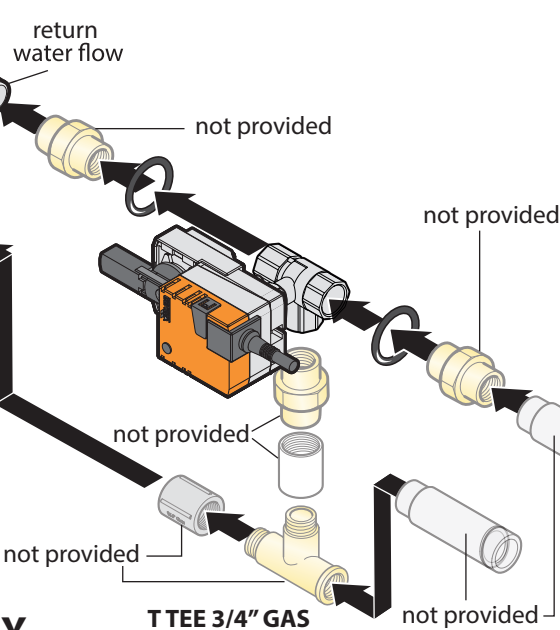
3-WAY

2b

return
water flow



2-WAY



3-WAY

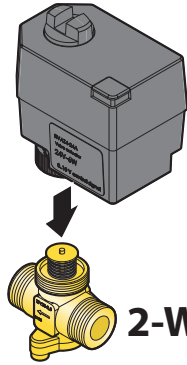
Electrical Wiring as per wiring diagram

Compact R				
Size	water valves		valve DN [inch]	coil DN [inch]
	2way	3way		
01	ATV03CW2A	ATV03CW3A	1/2	3/4
02	ATV04CW2A	ATV04CW3A	1/2	3/4
03	ATV04CW2A	ATV04CW3A	1/2	3/4
04	ATV05CW2A	ATV05CW3A	3/4	3/4
05	ATV05CW2A	ATV05CW3A	3/4	1
06	ATV06CW3A	ATV06CW3A	1	1
07	ATV06CW3A	ATV06CW3A	1	1

6b Heating water coil valve (water coils only) for Compact R

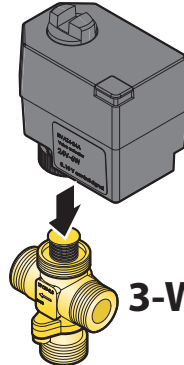
1

ALE00AMVA



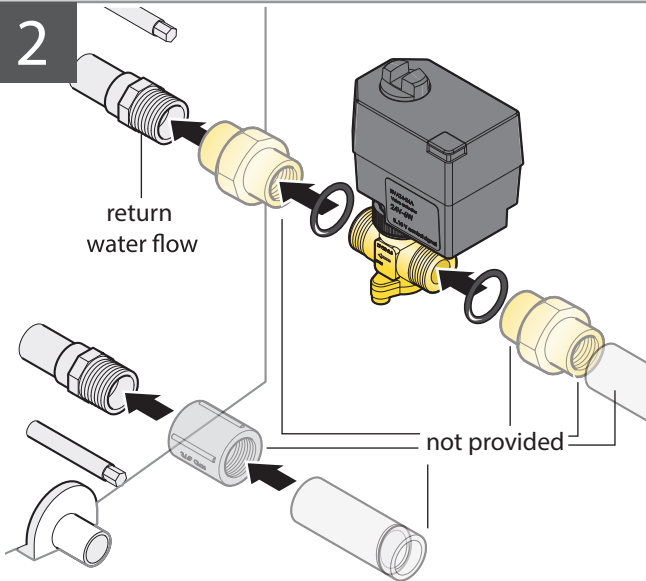
2-WAY

ALE00AMVA

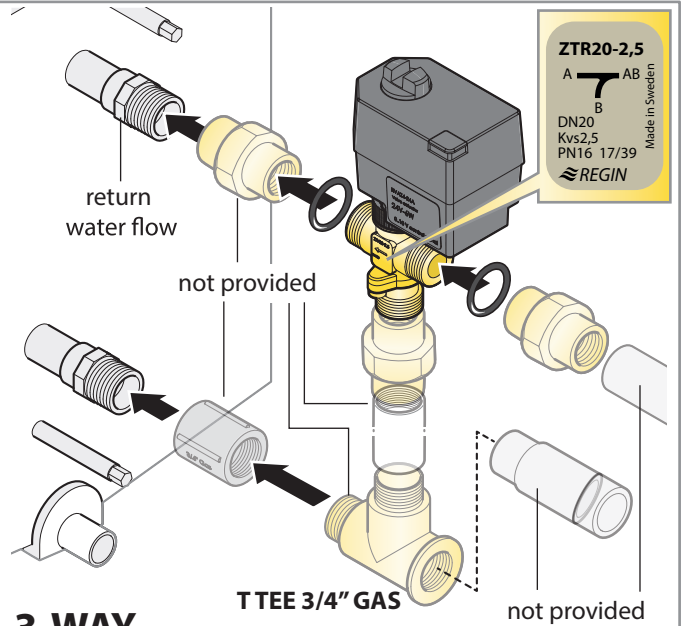


3-WAY

2



2-WAY



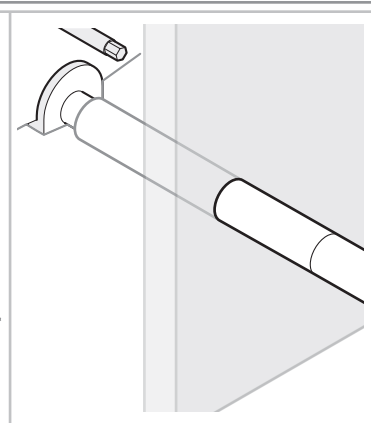
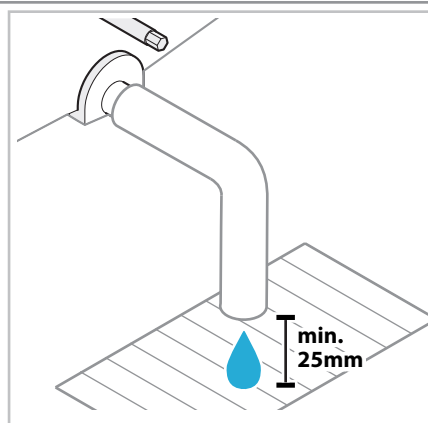
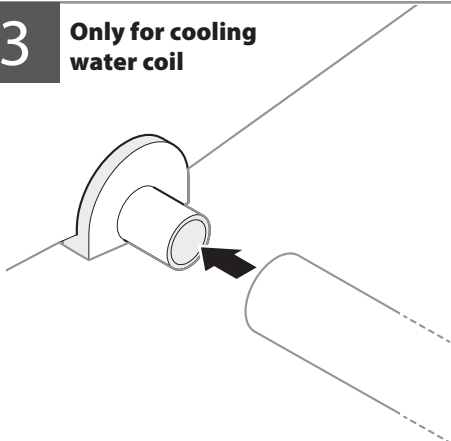
3-WAY

TEE 3/4" GAS

not provided

3

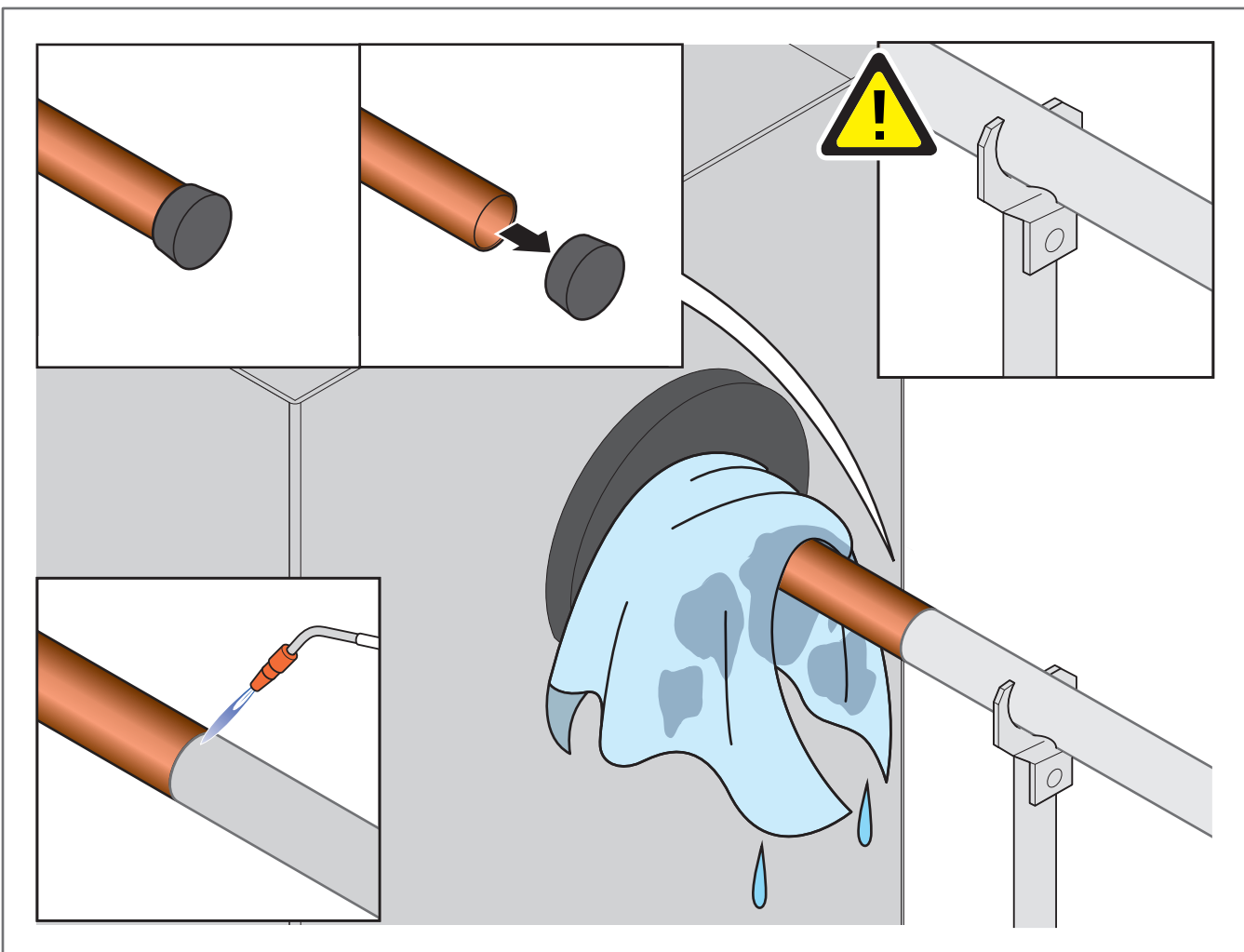
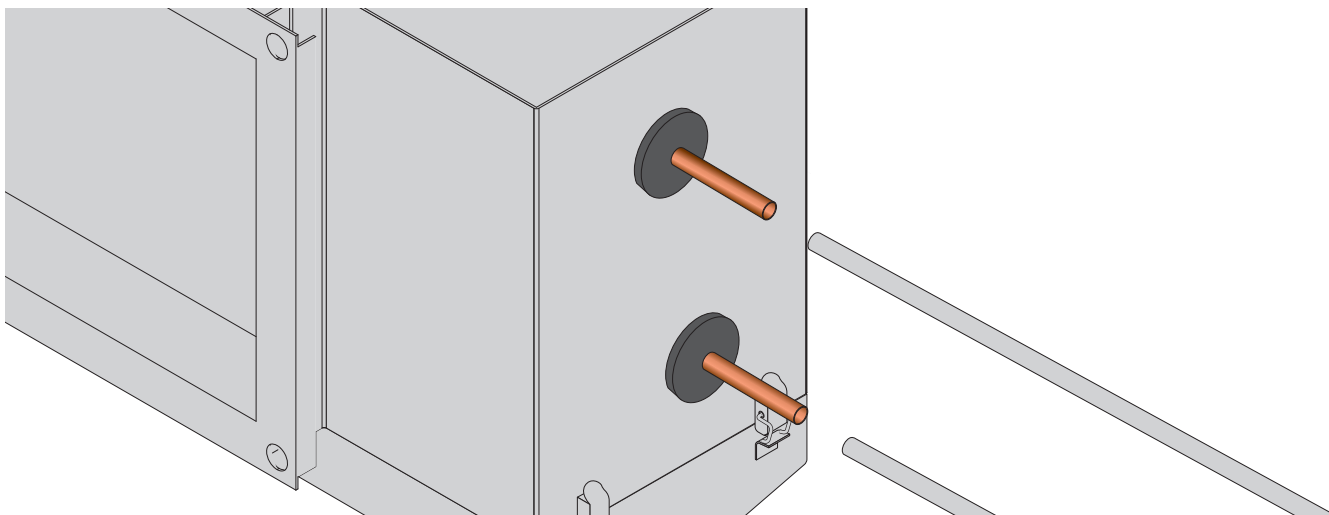
Only for cooling water coil



Electrical Wiring as per wiring diagram

Size	water valves		valve DN [inch]	coil DN [inch]
	2way	3way		
02	ALV02CW2A	ALV02CW3A	1/2	1/2
03	ALV03CW2A	ALV03CW3A	1/2	3/4
04-05	ALV05CW2A	ALV05CW3A	3/4	3/4
06-07	ALV07CW2A	ALV07CW3A	3/4	1

7 Cooling water coil valve (water coils only) for Compact L



Size	Coil	Volume	Gas conn. DN (inch)	Liquid conn. DN (inch)
04-05	ALD05CDSA	1,4	5/8	3/8
06-07	ALD07CDSA	2,5	5/8	3/8

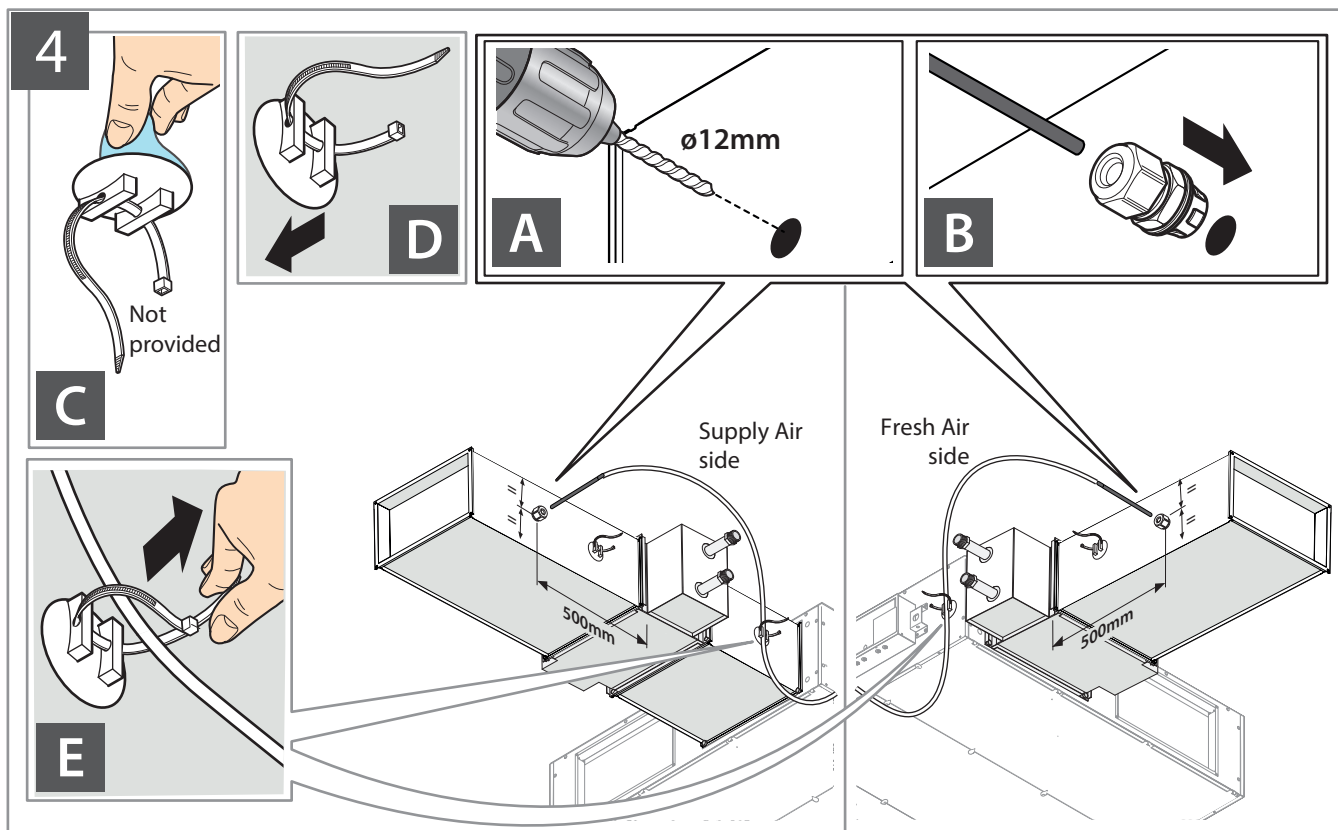
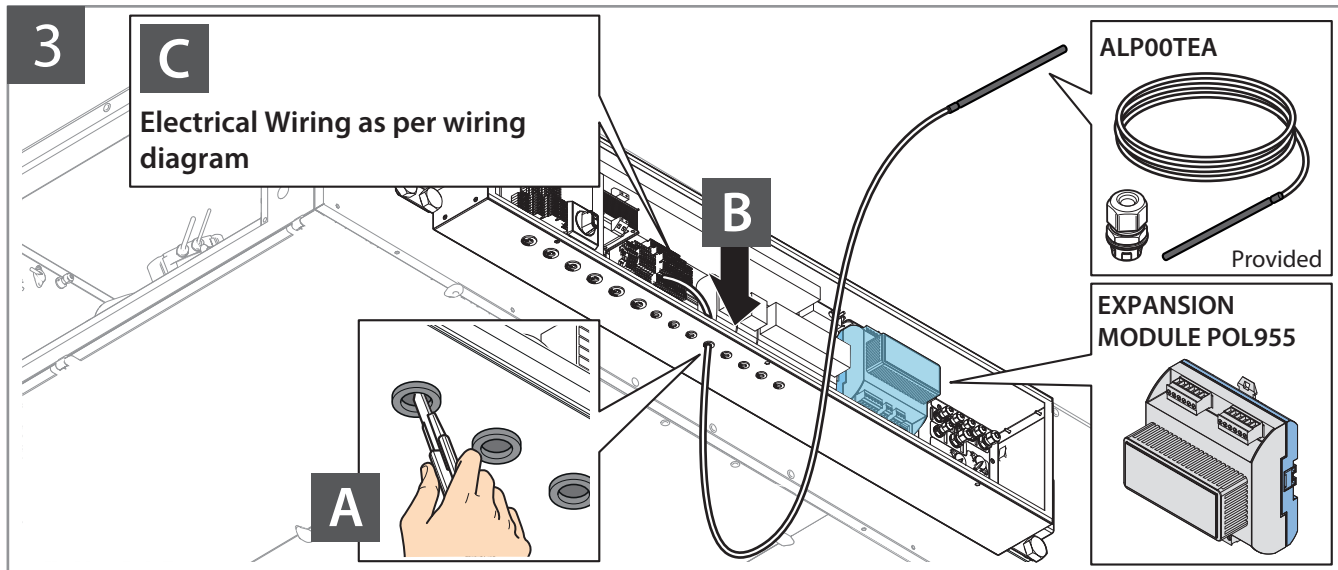
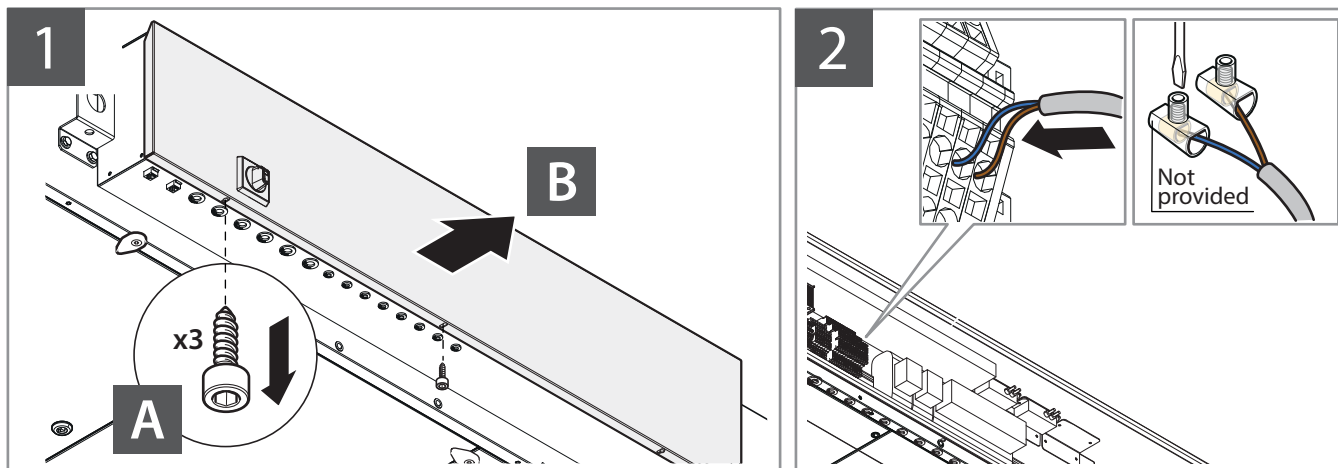
8 DX Coil connection (DX coils only) for Compact L

Acceptability limits of the quality of the water supplying the coils

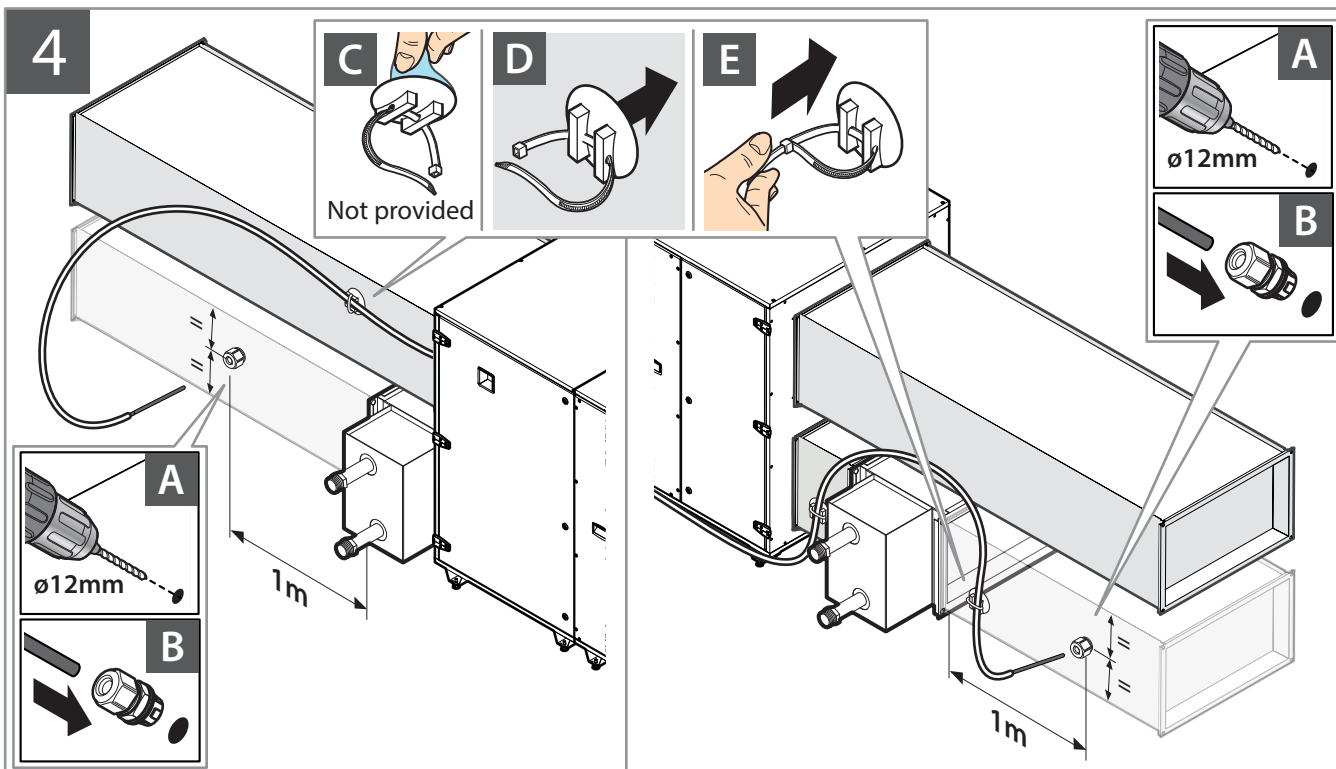
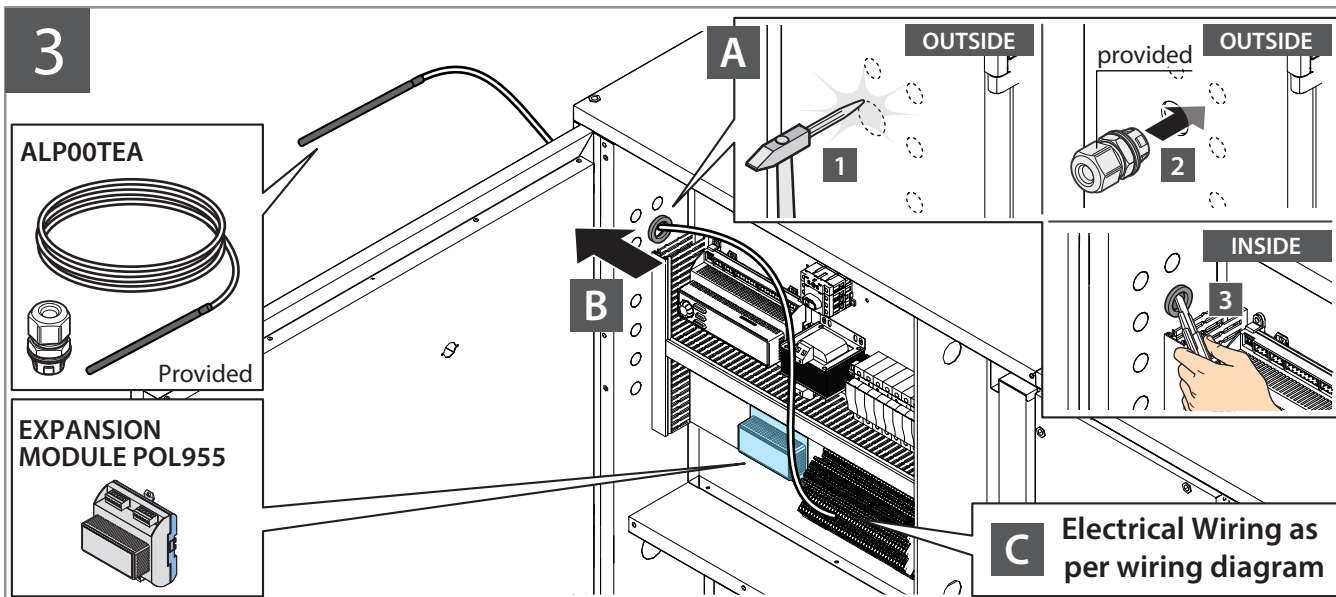
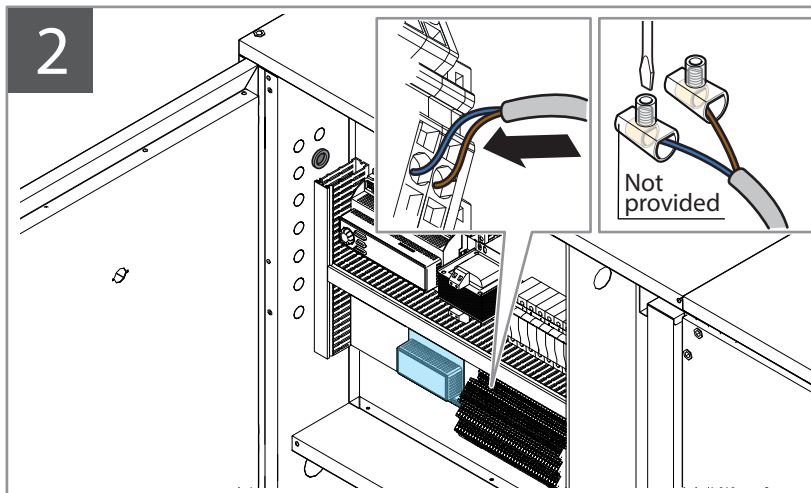
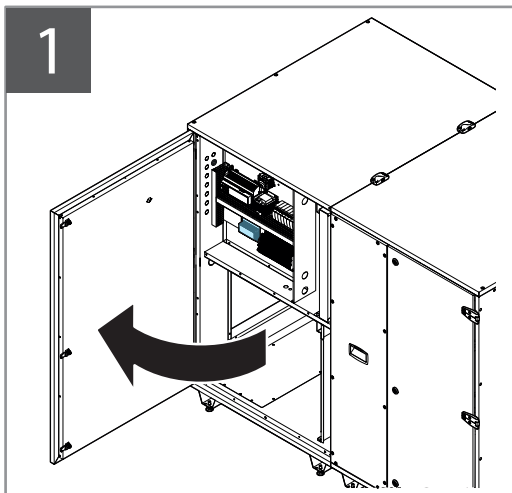
PH(25°)	6.8÷8.0
Electrical conductivity μS/cm (25°)	< 800
Chloride ion (mg Cl-/ l)	< 200
Sulphate ion (mg SO ₂₄ -/ l)	< 200
Total hardness (mg CaCO ₃ / l)	< 200

Iron (mg Fe / l)	< 1.0
Sulphide ion (mg S ²⁻ / l)	None
Ammonium ion (mg NH ₄ ⁺ / l)	< 1.0
Silica (mg SiO ₂ / l)	< 50
Antifreeze	< 60%

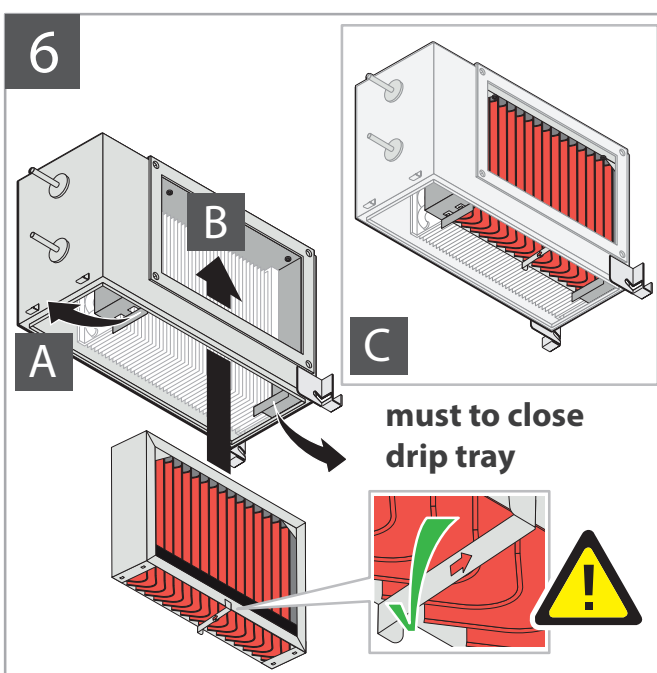
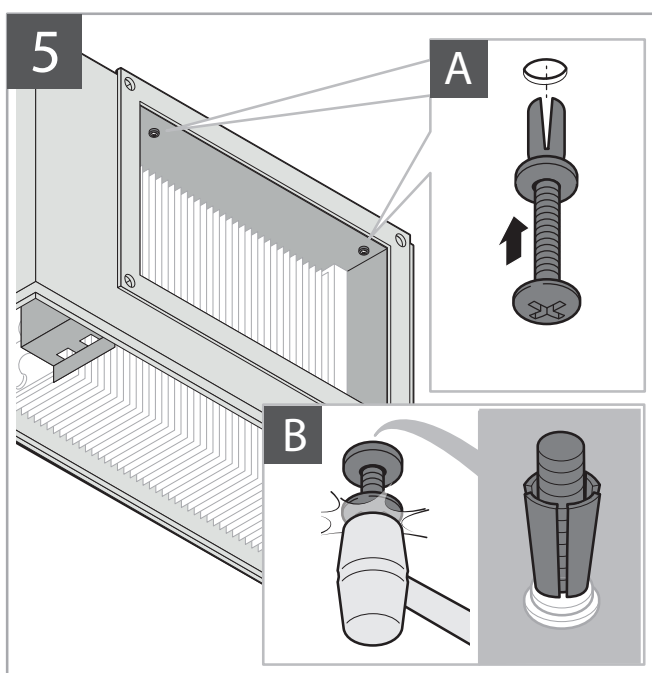
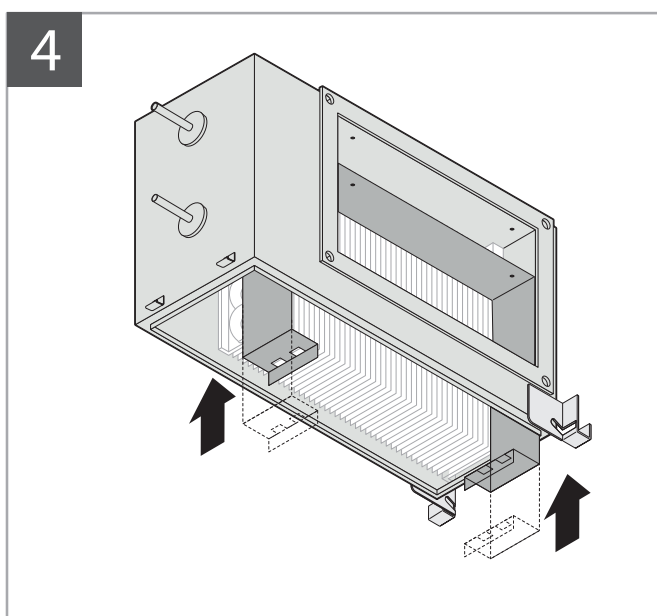
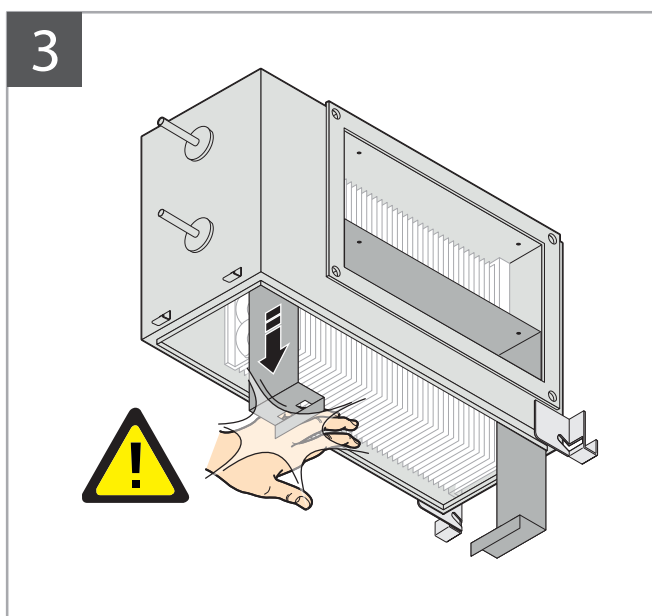
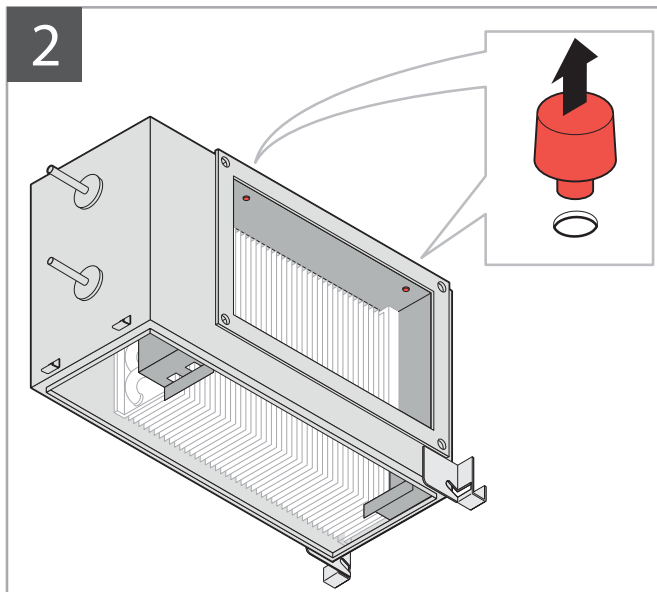
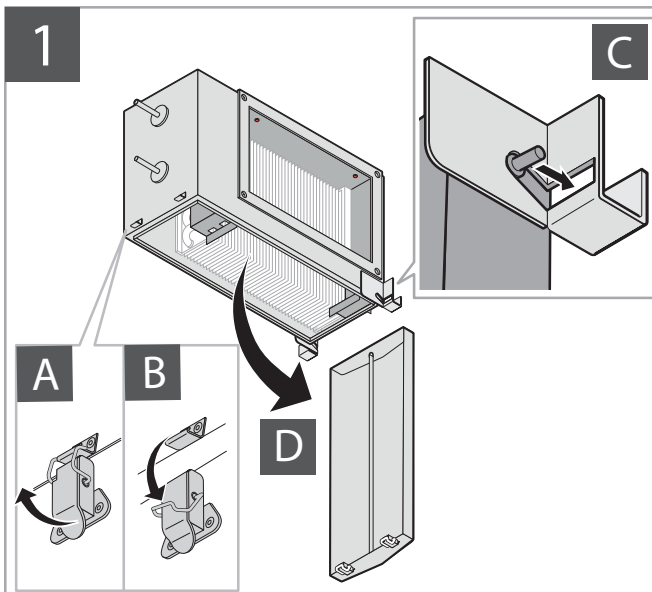
Note



9 Temperature probe installation for compact L



10 Temperature probe installation for compact R



11 Installation of Droplet eliminator for Compact L

Software setup (PRE HEATING)

Commissioning module ALC00895A is required

Info

Compact L / R

Supply Temperature21.8 °C

Return Temperature21.9 °C

HMI Switch1Off

Input/Output

Setpoints

Setting

ESC

OK

Info

Unit Configuration

External7

Disabled

Disabled

Enabled

Save

Cancel

ESC

OK

Info

Settings

Language Selection

Control Source

Cool/Heat HMICool

Time Scheduler

Enter Password2

psw:2526

ESC

OK

Info

2Settings

AHU Configuration3

Communication

Daikin On Site

Language Selection

Control Source

Cool/Heat HMICool

Time Scheduler

Enter Password

ESC

OK

Info

2AHU Configuration

Unit Configuration4

Config Components

Config Functions

ESC

OK

Info

2Config Components

Pre-heating11Water

Control

Flow

FreecoolingDisabled

Restart Required!

ESC

OK

Info

2Config Components

Pre-heating13

Water

Water

Electric

Save

Cancel

Restart Required!

ESC

OK

Info

2Unit Configuration

CoilDisabled

External coil5Disabled

Internal coilDisabled

External coilDisabled

ESC

OK

Restart Required!

Save

Cancel

Execute8

ESC

OK

Info

2AHU Configuration

Unit Configuration10

Config Components

Config Functions

ESC

OK

Info

2Config Components

Pre-heating11Water

Control

Flow

FreecoolingDisabled

Restart Required!

ESC

OK

Info

2Config Components

Pre-heating13

Water

Water

Electric

Save

Cancel

Restart Required!

ESC

OK

Restart Required!

Save

Cancel

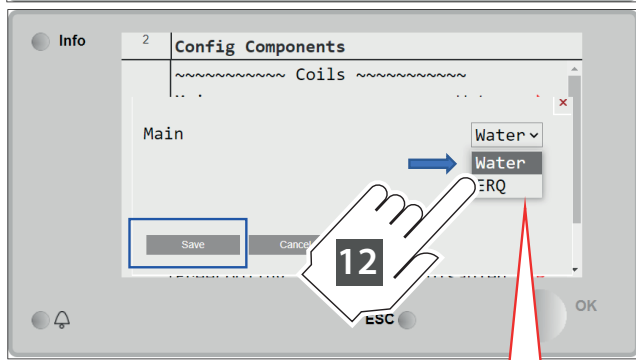
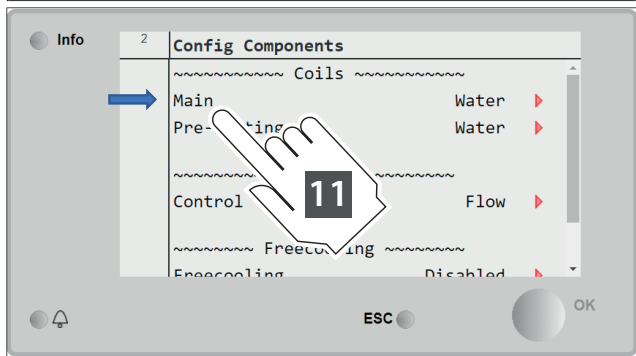
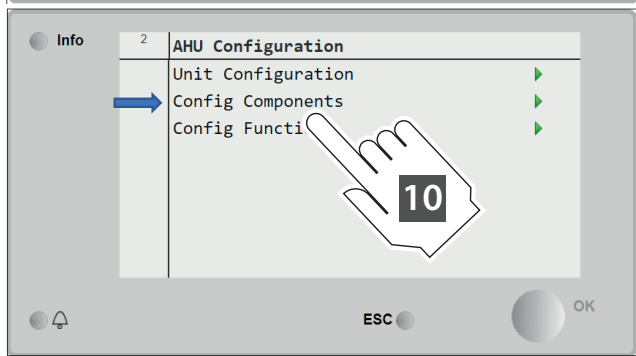
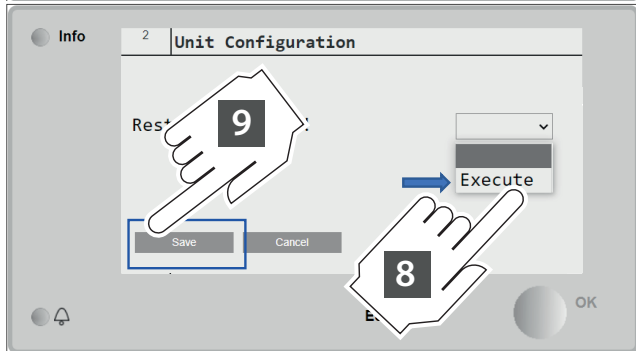
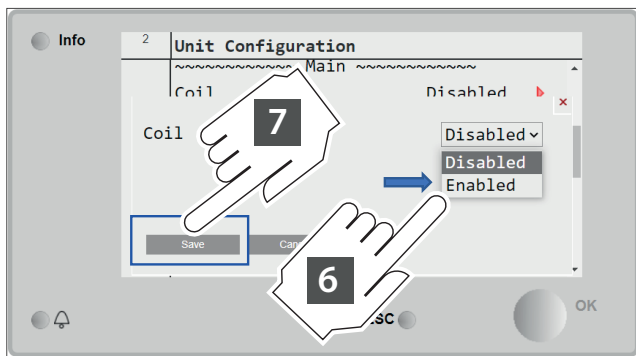
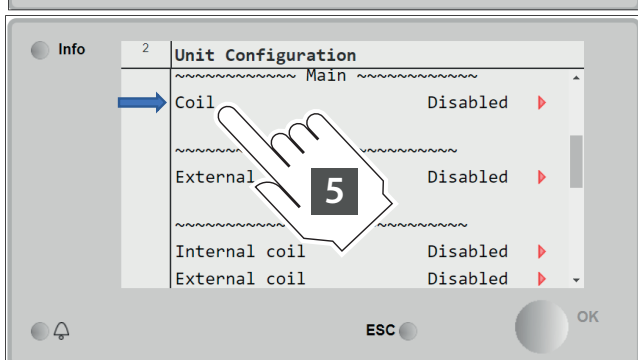
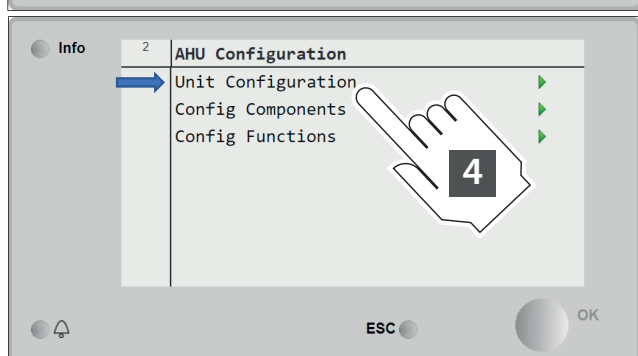
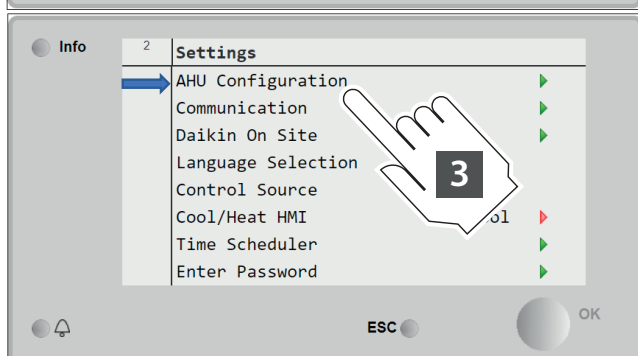
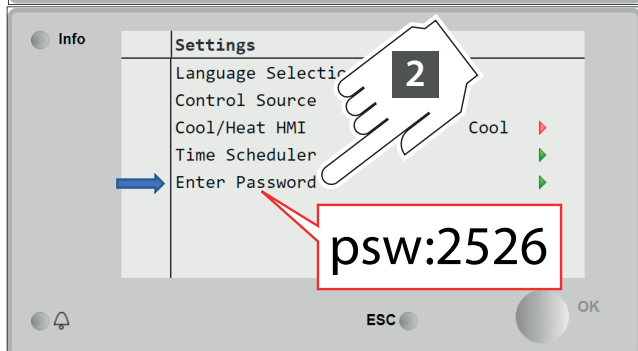
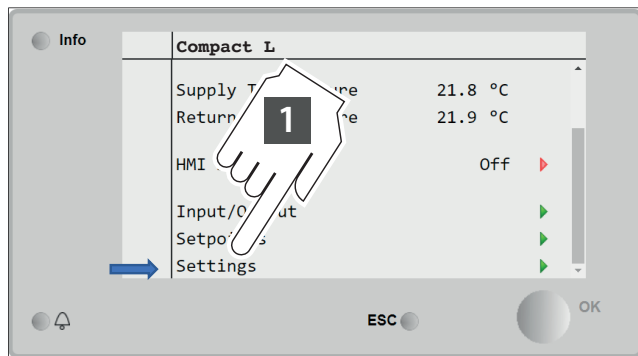
Execute14

ESC

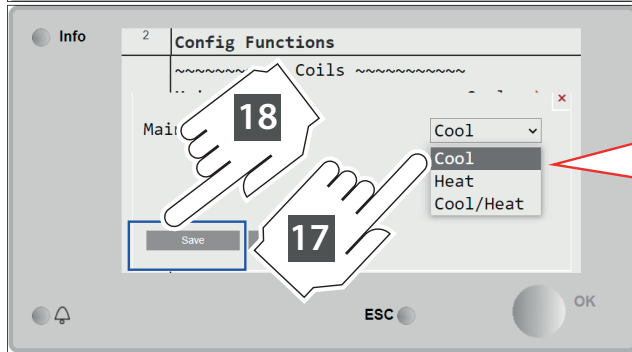
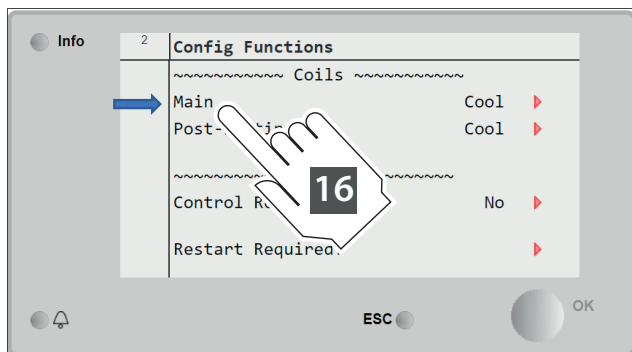
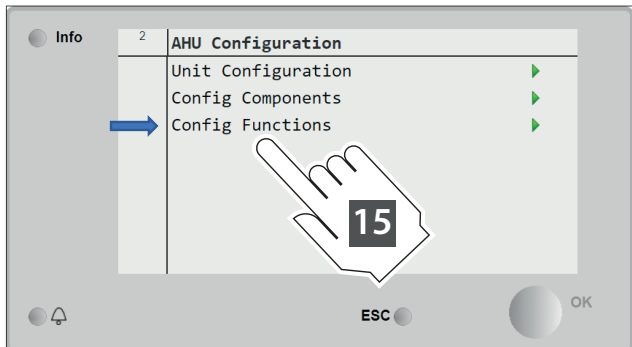
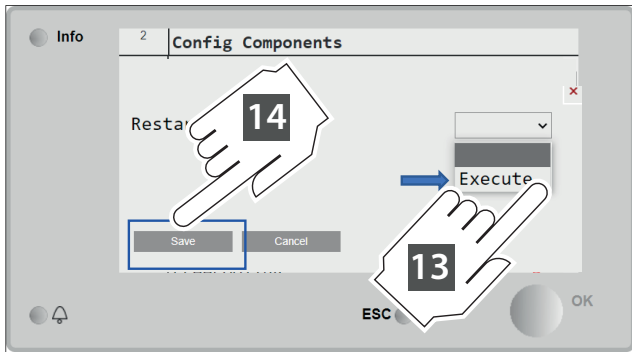
OK

Software setup (COOLING/DX)

Commissioning module ALC00895A is required

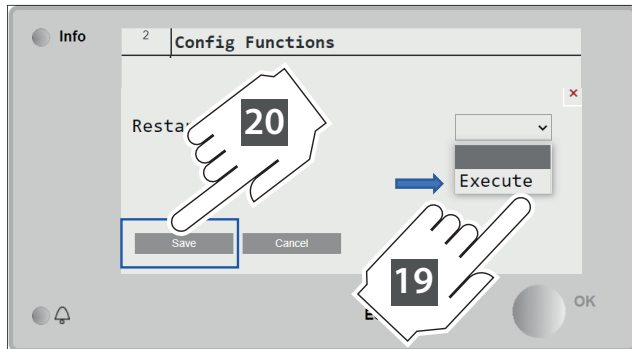


WATER -> Cooling coil water
EKEXV -> DX Cooling coil



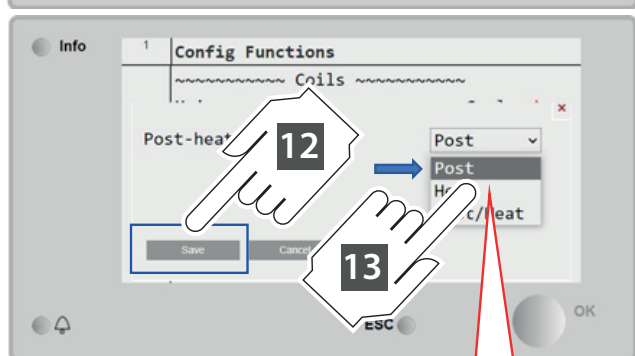
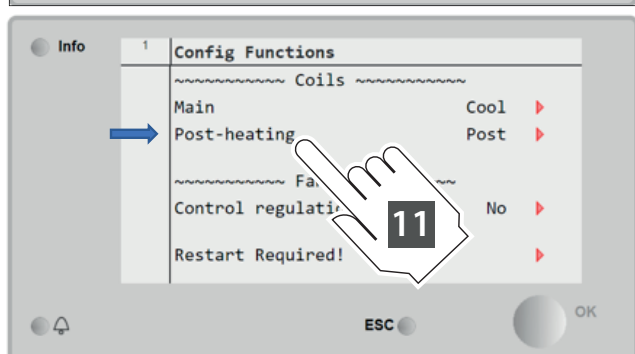
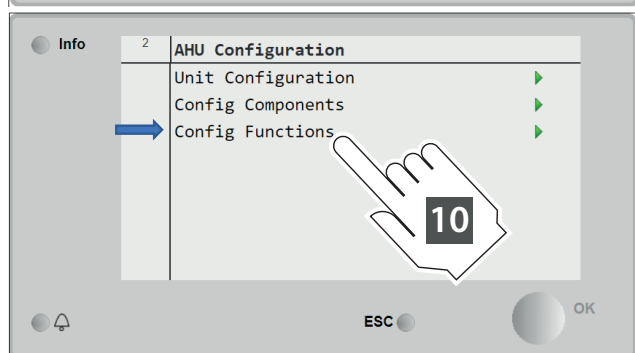
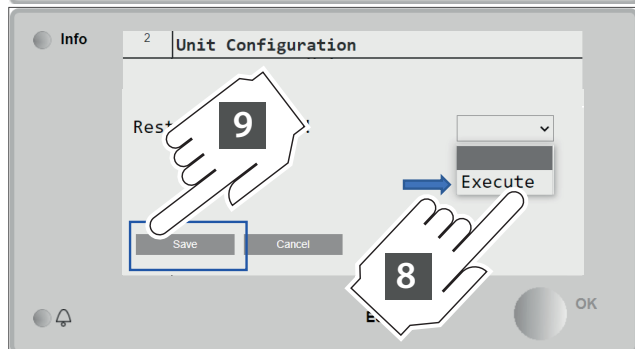
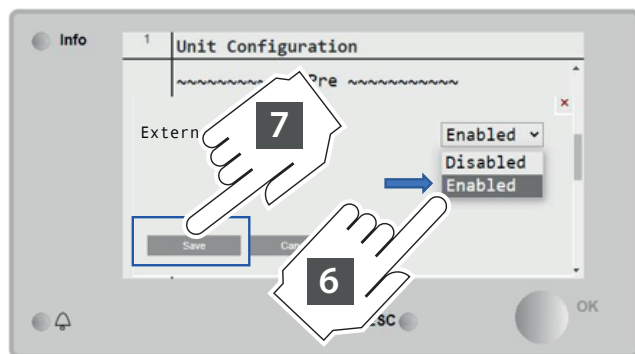
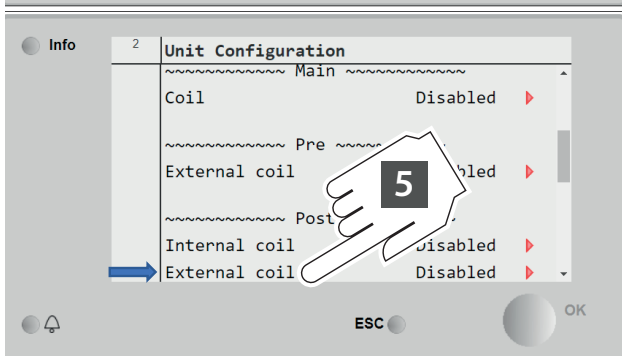
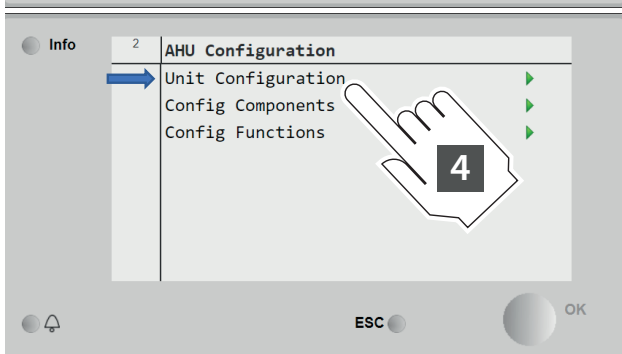
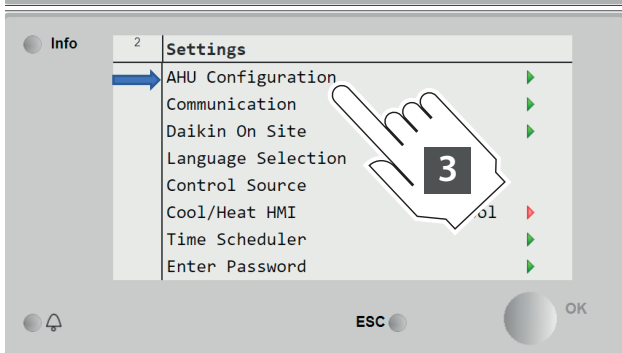
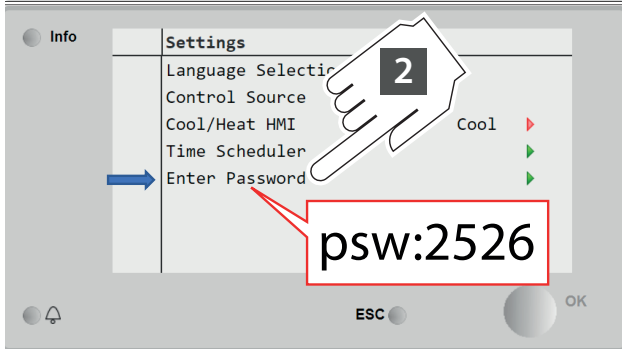
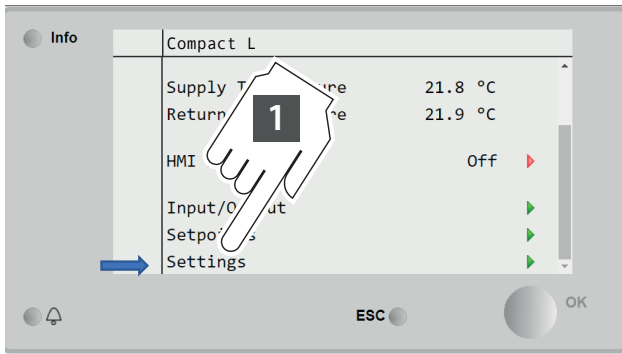
Select whether the coil is
will work as:

- cooling
- heating
- mixing (cooling/heating)



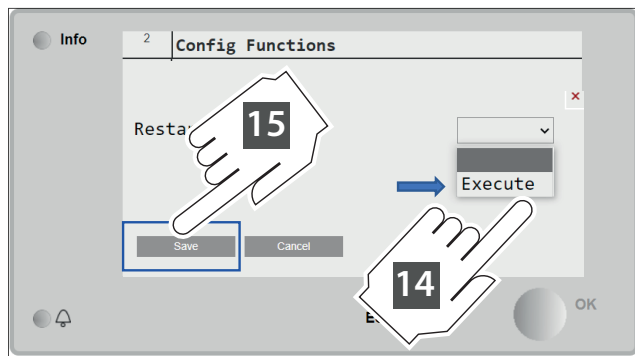
Software setup (POST HEATING)

Commissioning module ALC00895A is required



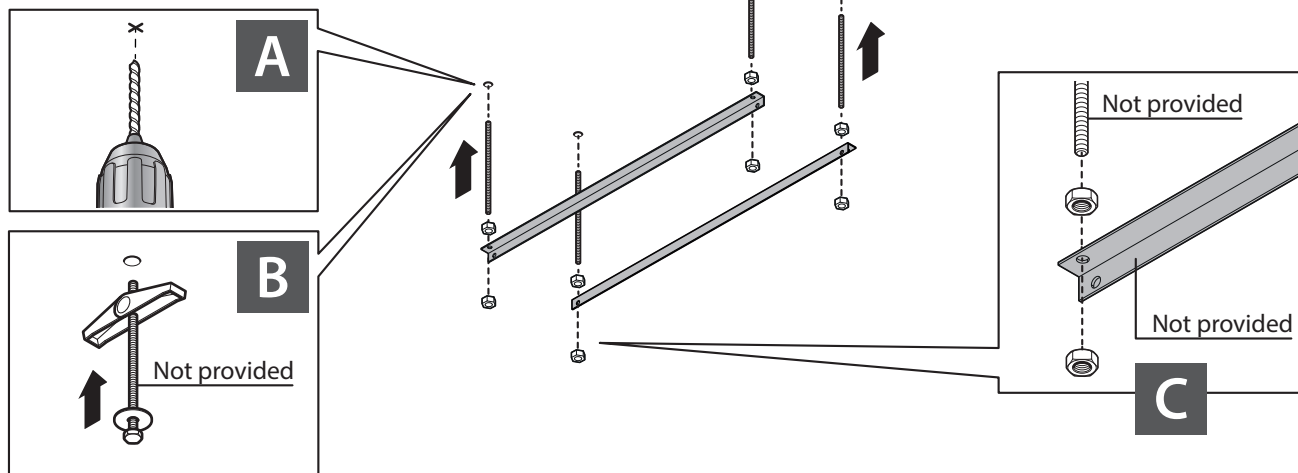
Select whether the coil will work as:

- **Post:** works in dehumidifying mode together with cooling coil
- **Heat:** works only in heating mode
- **Post/Heat:** works in both ways



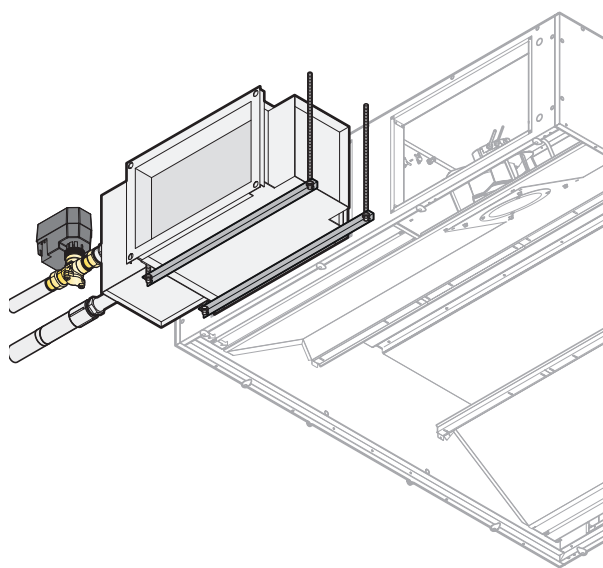
Compact L

SUGGESTION

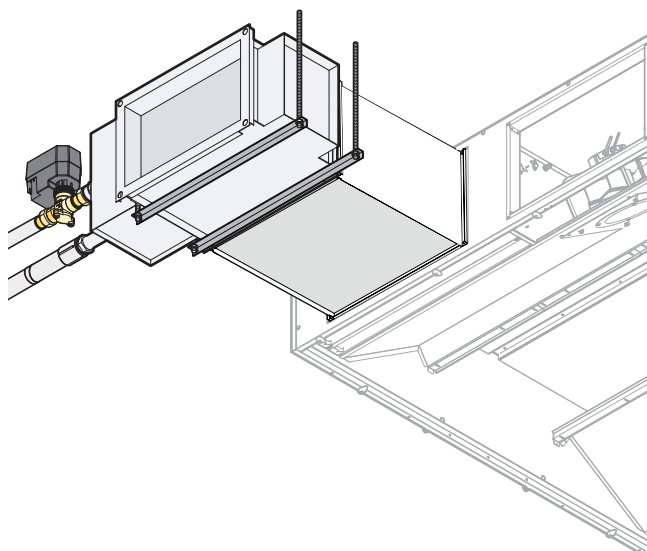


SUGGESTION

Fresh Air side



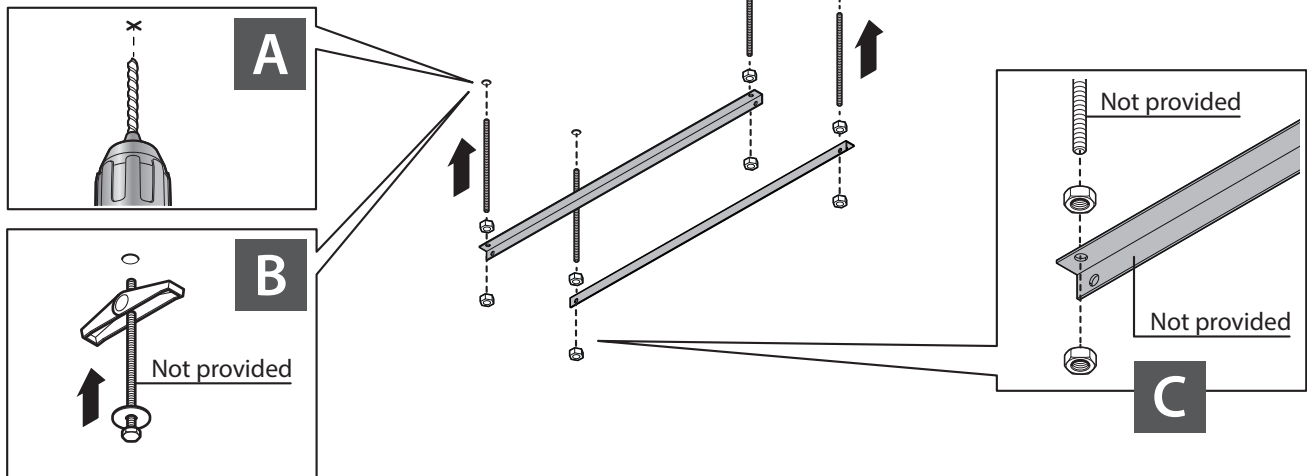
Supply Air side



Electrical Wiring as per wiring diagram

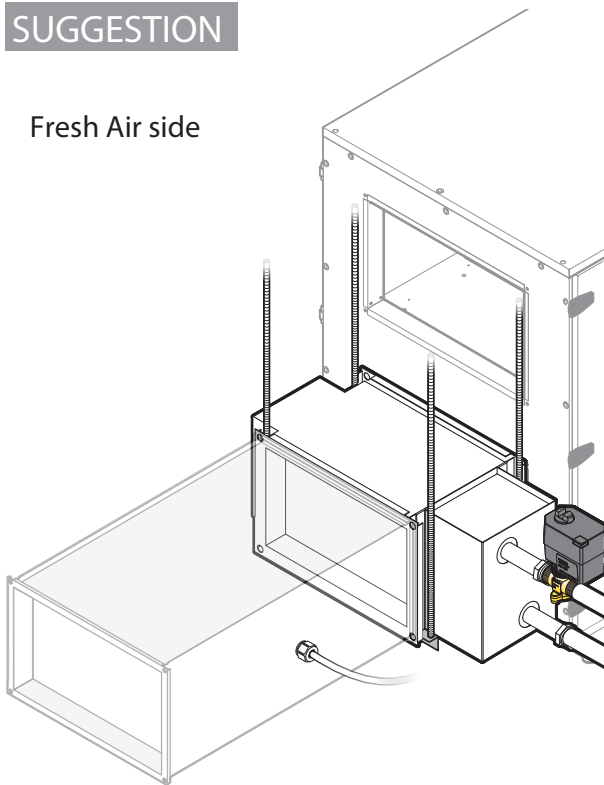
Compact R

SUGGESTION

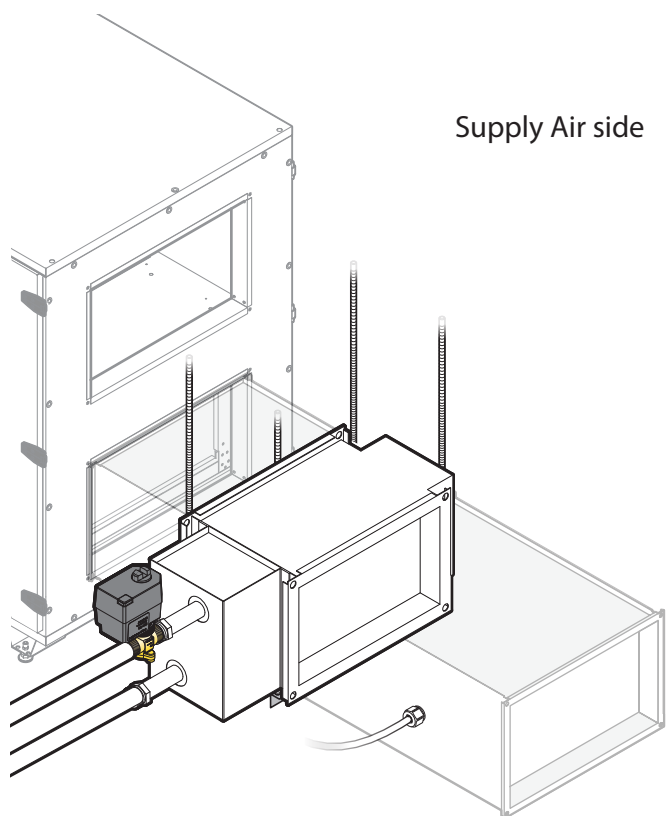


SUGGESTION

Fresh Air side



Supply Air side



Electrical Wiring as per wiring diagram

Note

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