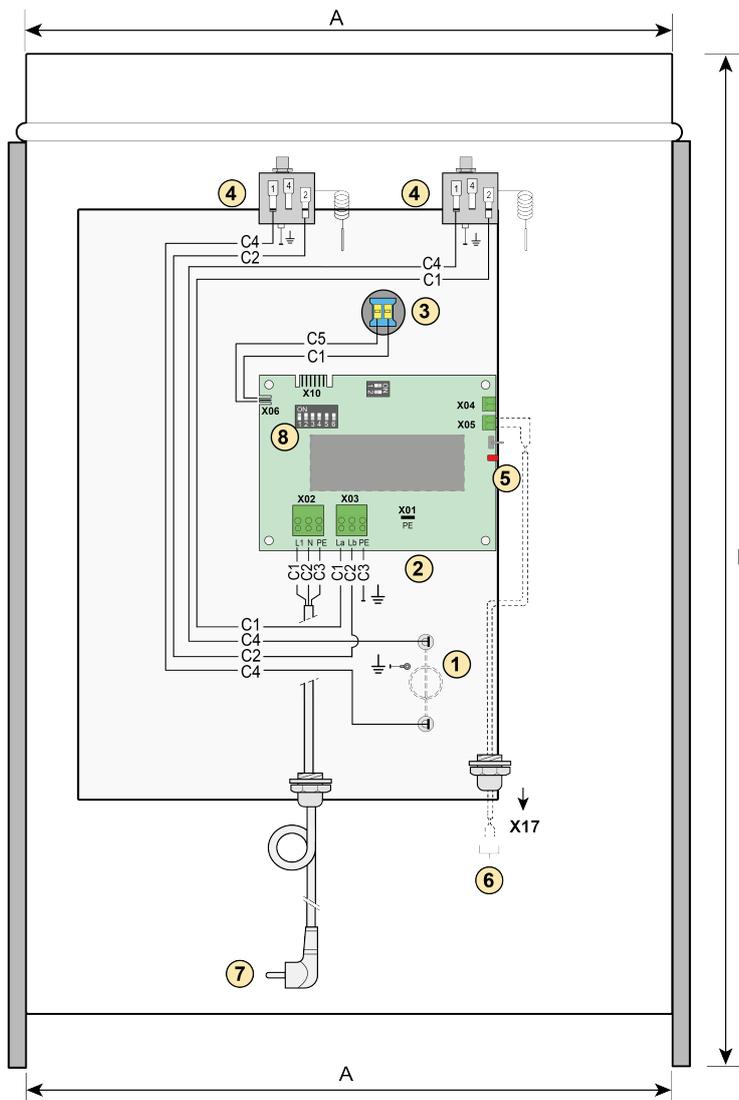# BRINK

Air for life

Installation regulations

Flair post- and preheater
English

1 Flair post- and preheater

The Flair postheater and the Flair preheater are identical to each other and electrically connected to the Flair appliance in the same way.

Flair 200/225
A = Ø160 mm with reduction to DN125
B = 350 mm

Flair 300/325
A = Ø160
B = 400 mm

Flair 400
A = Ø180
B = 400 mm

Flair 450/600
A = Ø180 with enlargement to DN200
B = 400 mm

1 = Heating coil
2 = PCB type UVP1
3 = Temperature sensor
4 = Temperature safety thermostat with manual reset
5 = Red LED; lights up when heater is connected with Flair appliance
6 = 2-pole eBus connection X17 on Flair appliance
7 = Power plug 230V
8 = Dipswitch

C1 = Brown
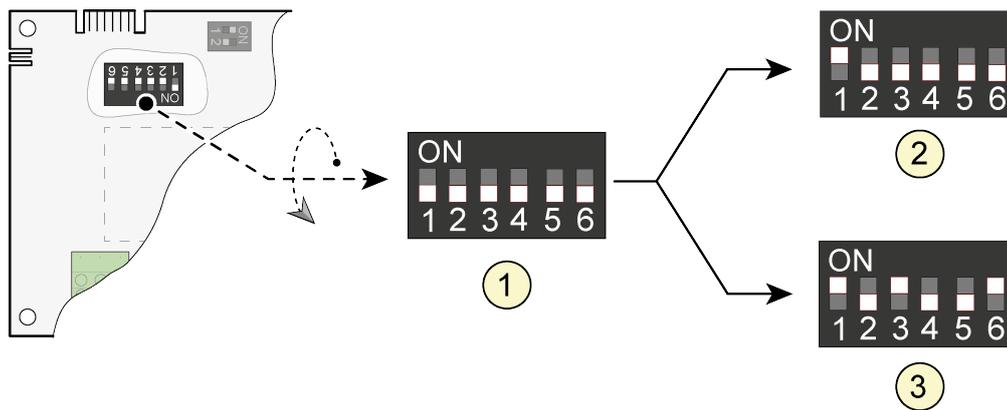C2 = Bleu
C3 = Green/yellow
C4 = Black
C5 = White

By setting dipswitches on the PCB in the heater, the Flair appliance recognizes the connected heater. This Flair heater must always be mounted directly on the connection of the Flair appliance. After installation of the heater, the setting values of the Flair appliance must always be adjusted; for procedure adjustment settings Flair post- and preheater in the setting menu ✿ of the Flair appliance, see the corresponding Flair installation instructions.

2 Setting correct dipswitch setting

At the factory the post- and preheater is supplied with all dipswitches set to "OFF"; the correct dipswitch setting must always be set by the installer.

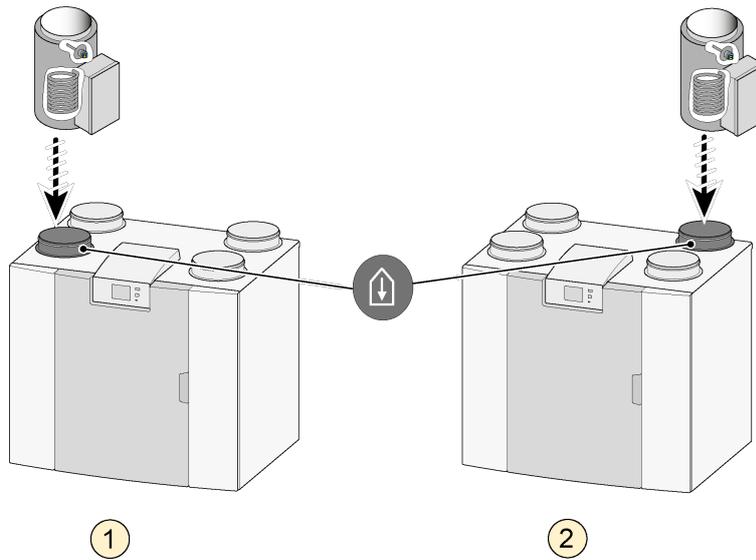**Note: If the setting is incorrect, the heater will not function or will function incorrectly!**

1 = Factory setting

2 = Dipswitch setting preheater

3 = Dipswitch setting postheater
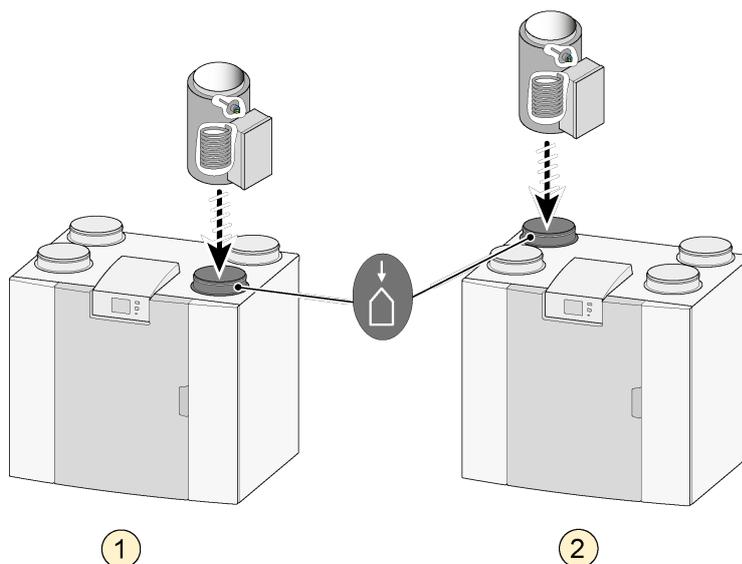
3 Mounting position

⚠️ **Both the post- and preheater are always placed on the Flair appliance in the same way. The heating coil is always between the Flair appliance and the temperature sensor in the heater! The Flair post- and preheater can be mounted both horizontally and vertically. For horizontal mounting, always mount the connection box upwards for proper functioning of the temperature sensor!**
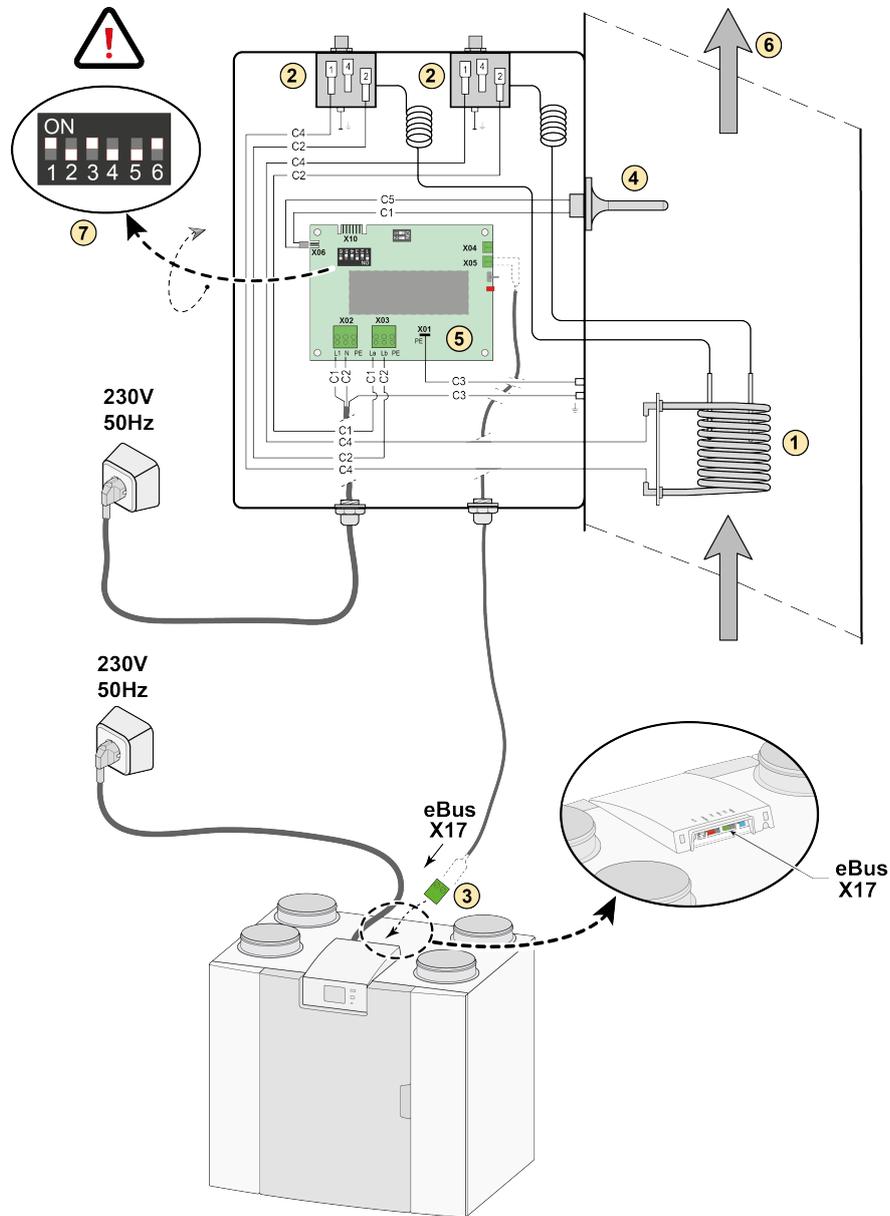
Flair postheater

1 = Flair appliance left version
2 = Flair appliance right version

Flair preheater

1 = Flair appliance left version
2 = Flair appliance right version
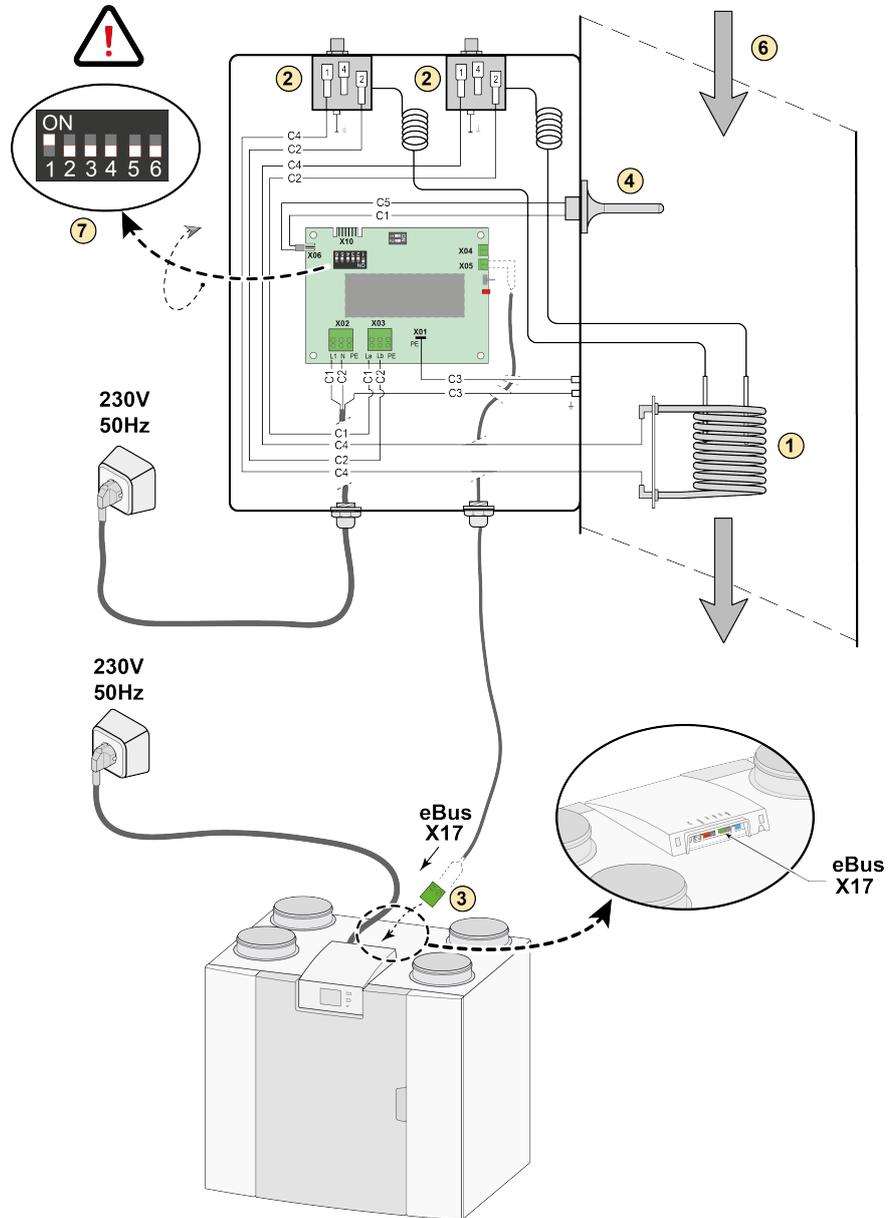
4A Connection Flair postheater with Flair appliance

230V
50Hz

230V
50Hz

eBus
X17

eBus
X17

1	=	Heating coil
2	=	Temperature safety thermostat with manual reset
3	=	2-pole eBus connection X17 on Flair aplliance
4	=	Temperature sensor
5	=	PCB type UVP1
6	=	Airflow direction
7	=	Dipswitch setting Flair postheater

C1 = brown
C2 = blue
C3 = green/yellow
C4 = black
C5 = white

4B Connecting Flair preheater with Flair appliance

1 = Heating coil

2 = Temperature safety thermostat with manual reset

3 = 2-pole eBus connection X17 on Flair appliance

4 = Temperature sensor

5 = PCB type UVP1

6 = Airflow direction

7 = Dipswitch setting Flair preheater

C1 = brown
C2 = blue
C3 = green/yellow
C4 = black
C5 = white

5 Setting step number in Flair appliance

⚠ **When a Flair post- and / or preheater is placed on a Flair appliance, this must always be set in the setting menu ✿ of the Flair appliance!**

For procedure adjustment settings in this setting menu ✿ of the Flair appliance, see the corresponding Flair installation instructions.

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When setting a preheater, set parameter 5.1 to ON; if a postheater is used, parameter 5.2 must be set to ON and, if required, the postheater temperature can still be set in parameter 5.3

NOTE: if a post heater is used, parameter 1.1 must be set to at least 50m³/h to prevent overheating.

Preheater			
Step No.	**Description**	**Factory setting**	**Adjusting range**
5.1	Preheater ON and OFF	OFF	ON/ OFF

Postheater			
Step No.	**Description**	**Factory setting**	**Adjusting range**
5.2	Postheater ON and OFF	OFF	ON/ OFF
5.3	Temperature postheater	21 °C	15,0 °C - 30,0 °C

6 Fault

In the event of a fault in the Flair post-or preheater a fault message will be visible on the display of the Flair appliance.
A LED is mounted on the PCB of the Flair pre- and postheater (for position LED see number 5 → 1 Flair post- and preheater page 2). This LED flashes when the eBus connection has not yet been established. When the connection is established, the LED stops flashing. This startup can sometimes take a few minutes.
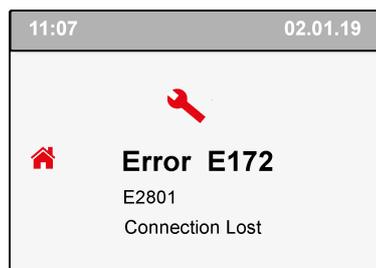
Error codes preheater	
Error No.	**Description**
E171/ E2700	General error
E171/ E2701	Preheater - connection lost
E171/ E2702	Preheater - sensor error
E171/ E2703	Preheater - element error; Activation of temperature safety thermostat*

Error codes postheater	
Error No.	**Description**
E172/ E2800	General error
E172/ E2801	Postheater - connection lost
E172/ E2802	Postheater - sensor error
E172/ E2803	Postheater - element error; Activation of temperature safety thermostat*

Attention!:
* If the temperature safety thermostat is activated, it needs to be reset before further use.
Reset it by pushing down the button(s) labeled with ''reset'', using a pin.

Error code on display Flair appliance

7 Technical information and service

Technical information Flair post- and preheater				
Supply voltage	230 V / 50 Hz			
Rated current	4,5 A			
Rated power	1000 W			
Protection degree	IP20			
For use with	Flair 200/225	Flair 300/325	Flair 400	Flair 450/600
Heater art.no.	310689	310690	310692	310699
Duct diameter	Ø 125 mm	Ø 160 mm	Ø 180 mm	Ø 200 mm
Length heater	350 mm	400 mm	400 mm	400 mm
Total length	540 mm	400 mm	400 mm	530 mm
Total weight	4,6 kg	3,0 kg	3,0 kg	4,0 kg

For more information see the Flair installation instructions.

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