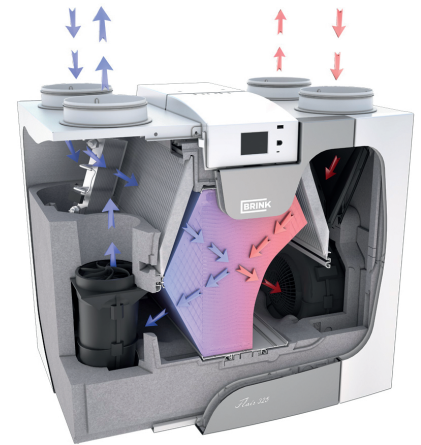


I.10

Heat recovery units

FLAIR

- Residential
- Counterflow
- Brink
- $Q_v \leq 600 \text{ m}^3/\text{h}$
- Vertical
- Heat recovery unit with efficiency $\geq 85\%$

A⁺**A****BRINK***Air for Life*

Heat recovery units system $D \leq 600 \text{ m}^3/\text{h}$ type FLAIR

High efficiency heat recovery units with low energy consumption. The Flair units are available in different sizes and versions, applicable for air flow rates up to $\leq 600 \text{ m}^3/\text{h}$. The units are supplied as standard with an integrated touch screen with a position switch, ball-siphon, ModBus communication and energetic modulating preheater. A large range of wireless or wired controllers, sensors and other accessories is also available as an option.

Brand

- Brink

Application

- Ventilation with heat recovery for residential and non-residential applications where high efficiency is acquired
- Applicable for air flows up to $600 \text{ m}^3/\text{h}$
- Available in different configurations
- For inside installation

Specifications

- Modulating electric preheater
- 'Bypass boost' function
- Tension: 230 Vac
- ModBus communication
- Filterwizard for end user
- Possibility to upgrade to Plus version by installing an additional pcb

Composition

- Constant flow EC motors (EBM) with integrated anemometer
- TFT touch screen with integrated 4 positions switch and wizard for servicing
- Siphon with 32 mm connection
- Automatic bypass (100%) with actuator
- Casing of epoxy steel
- Round connection with diameter 160/180/200 mm
- 2 x ISO Coarse 60% filters

Certification

- All Flair units are tested according NBN EN 308 and PassivHaus certified

Accessories

- Wireless controllers and room sensors, type **FLR-RF**
- Wired touch-controller with weekly program, type **TC E-BUS**
- Digital controller with weekly program, type **DCREN AC**
- Four position switch with filter indication, type **CVREN 4**
- Wireless 4 position switch, type **RFREN 4**
- Humidity sensor (in-duct), type **HRT REN**
- CO₂-sensors (max. 4 pieces) via eBus connection, type **CO2 REN E-BUS**
- 2-Zone demand controlled ventilation based on time CO₂, type **DCV**
- Replacement filter, type **FS FLR**
- Optional pcb for upgrade to Plus-version, type **PCB PLUS FLAIR**
- Mounting chair, type **MC FLAIR**
- Additional external pre- or post-heating battery, type **CVR-VNF**

Order example

FLAIR 325 R 4/0

Explanation

FLAIR = type of heat recovery unit

325 = max. air volume in m³/h

R = right version, **L** = left version

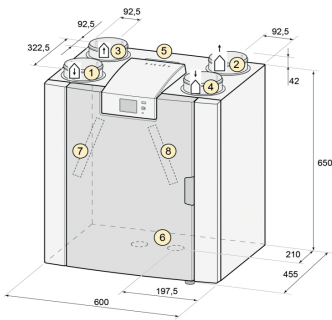
4/0 = 4 connections on top

Technical data										
FLAIR 225										
Q [m ³ /h]	40		50		100		150		225	
Ps [Pa]	3	6	5	10	20	40	44	89	100	200
P [W]	7,9	8,2	8	8,5	13,2	15,9	26,2	34	61,5	82
[A]	0,1	0,11	0,1	0,1	0,13	0,15	0,22	0,29	0,48	0,63
FLAIR 325										
[m ³ /h]	50		100		150		250		325	
[Pa]	2	5	9	19	21	43	59	118	100	200
[W]	6,1	6,4	8,2	9,7	15,4	19,4	46,9	61,4	87,2	116,5
[A]	0,08	0,08	0,09	0,11	0,16	0,19	0,42	0,53	0,73	0,94
FLAIR 400										
[m ³ /h]	50		100		200		300		400	
[Pa]	2	3	6	13	25	50	56	113	100	200
[W]	4,4	4,6	5,3	6,4	22,7	28,5	62,6	78,9	126,6	160,8
[A]	0,06	0,06	0,07	0,08	0,25	0,31	0,58	0,71	1,01	1,26
FLAIR 450										
[m ³ /h]	75		100		200		300		450	
[Pa]	3	6	5	10	20	40	44	89	100	200
[W]	10,4	10,8	12,4	13,2	17,6	23,8	51,9	69,3	149,5	198,8
[A]	0,17	0,17	0,19	0,19	0,2	0,27	0,53	0,69	1,32	1,68
FLAIR 600										
[m ³ /h]	100		150		300		500		600	
[Pa]	3	6	6	13	25	50	69	139	100	188
[W]	12,1	12,5	17,2	18,3	44,5	54,2	166,6	203,1	250	288
[A]	0,18	0,19	0,23	0,24	0,46	0,55	1,45	1,71	2,11	2,3

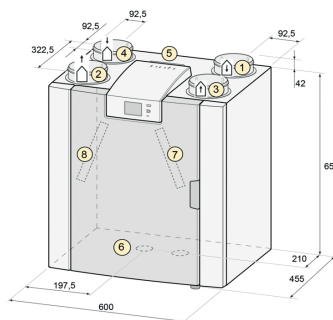
Sound data										
FLAIR 225										
Q [m ³ /h]	50		100		150		225		225	
Ps [Pa]	25	25	50	50	100	100	100	150	150	
Lwa 2 [dB(A)]	28	31	33,5	38,5	40,5	45,5	47	47	47	
Lwa 5 [dB(A)]	<30	<34,5	<36,5	44	43	47,5	48,5	48,5	48,5	
Lwa 6 [dB(A)]	43,5	48,5	50,5	55	57,5	62,5	64,5	64,5	64,5	
FLAIR 325										
Q [m ³ /h]	100	150	150	200	200	250	250	250	325	
Ps [Pa]	25	25	50	50	100	100	100	150	150	
Lwa 2 [dB(A)]	27	34	35	40	41	46	46	46	51	
Lwa 5 [dB(A)]	32	40	38	46	44	49	49	49	55	
Lwa 6 [dB(A)]	44	49	51	55	57	61	62	62	69	
FLAIR 400										
Q [m ³ /h]	150	250	350	400						
Ps [Pa]	25	50	100	100						
Lwa 2 [dB(A)]	37	43,5	52	55						
Lwa 5 [dB(A)]	43,5	46,5	51	61						
Lwa 6 [dB(A)]	50	58	69,5	71						
FLAIR 450										
Q [m ³ /h]	100	200	200	300	300	450	450	450		
Ps [Pa]	25	25	50	50	100	100	150	150		
Lwa 2 [dB(A)]	<38,1	36,5	42	45,5	42,5	49	49,5	49,5		
Lwa 5 [dB(A)]	<36,3	38,5	40	45	42,5	49	49,5	49,5		
Lwa 6 [dB(A)]	<38,5	43,5	47,5	53	53,5	58,6	59	59		
FLAIR 600										
Q [m ³ /h]	150	300	300	500	500	600	600	600		
Ps [Pa]	25	50	100	100	150	100	150	150		
Lwa 2 [dB(A)]	37,5	45,5	46	56	54,5	56,5	56,5	56,5		
Lwa 5 [dB(A)]	35	45	42,5	51	52	53,5	56,5	56,5		
Lwa 6 [dB(A)]	43,5	53	53,5	60,5	61,5	62	66,6	66,6		

Lwa 2 = Sound power casing
 Lwa 5 = Sound power inlet
 Lwa 6 = Sound power outlet

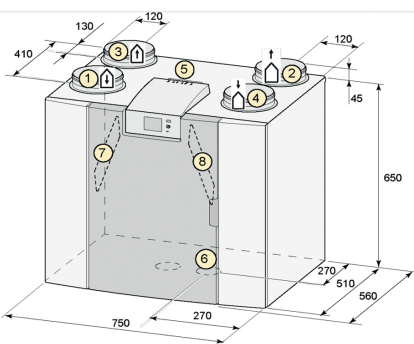
FLAIR 225 4/0 L BE



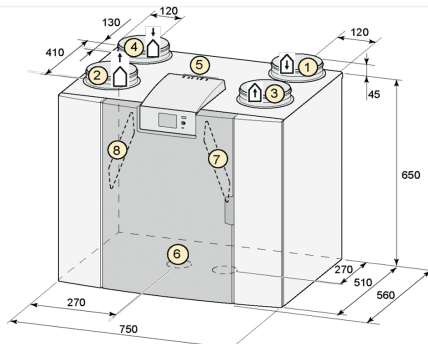
FLAIR 225 4/0 R BE



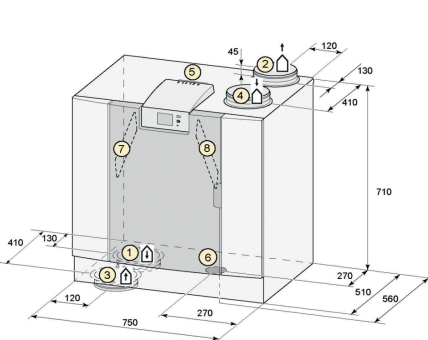
FLAIR 325/400 4/0 L BE



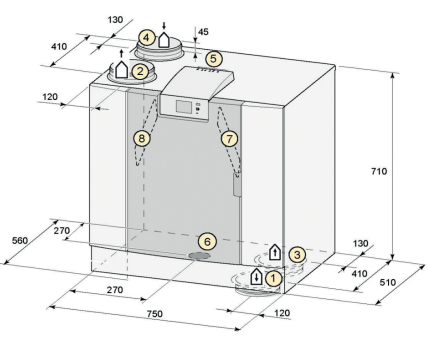
FLAIR 325/400 4/0 R BE



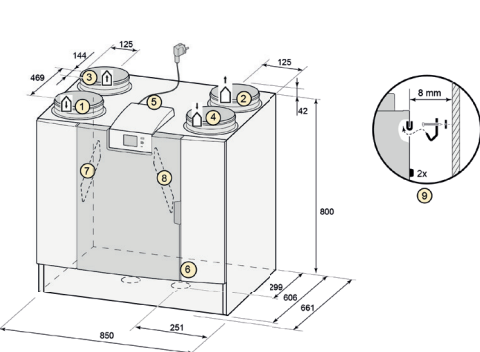
FLAIR 325/400 2/2 L BE



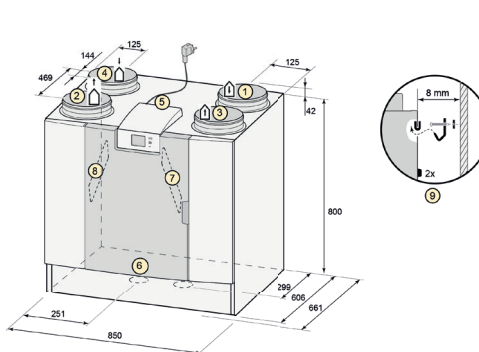
FLAIR 325/400 2/2 R BE



FLAIR 450/600 4/0 L BE



FLAIR 450/600 4/0 R BE



- 1 = To dwelling
- 2 = To outside
- 3 = From dwelling
- 4 = From outside

- 5 = Electrical connections
- 6 = Siphon connection
- 7 = Exhaust air filter
- 8 = Supply air filter