



**Berkshire
Renewable
Energy**



Berkshire Renewable Energy

We breathe 25,000 times a day and spend as much as 80% of our time indoors.

The air quality in the home is very important for our health, but often leaves much to be desired.

MVHR Specification



**Berkshire
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Brink Flair 225, 325, 400, 450 & 600

The importance of effective ventilation in dwellings and buildings has never been more obvious. Continuously fresh and clean air in your home is paramount. Certainly when you realise that we breathe more than 25,000 times a day. It is our mission to offer everybody the most excellent air possible. That optimum air quality is achieved by balanced ventilation with heat recovery (HRV). Day in, day out, this sustainable ventilation system efficiently and effectively ensures fresh, filtered air in your home.

The Flair is the basis of a central balanced ventilation system with heat recovery (HRV). This system ensures a balanced supply of fresh air and exhaust of foul air. The air flows in the unit remain separated to ensure that the heat is kept inside, which saves energy. In addition, the Flair is packed with innovations that put it far ahead of the future when it comes to performance, compactness, installation & service convenience, completeness, connectivity, expandability and filtering.

The Flair range includes Flair 225, Flair 325, Flair 400, Flair 450 and Flair 600 with respective ventilation capacities of 225, 325, 400, 450 and 600 m³ /h. Its aerodynamic design makes the Flair more effective, quieter and considerably more energy-efficient than similar products. The unique constant flow fans, combined with the integrated control system, ensure a perfect balance between incoming and outgoing air.

All Flair versions are extremely compact. The Flair 225 really stands out in this respect. This unit is the perfect choice for apartments and it is a smart solution for replacement. The wide range of versions offers great design flexibility. The Flair is available as a left-hand and right-hand version with four top connections (4/0). The Flair 325 and 400 also come with two connections at the top and two at the bottom (2/2) as well as with enthalpy exchanger. For every unit an optional Plus print is available for even more connection possibilities.

The Flair range is designed identically. That saves time at both installation and maintenance. The diversity of service parts is negligible



Passivhaus Certified MVHR System

BYPASS

- Double soft sealing lip
- Guiding vanes for equal
- Maintenance free DC motor

FAN

- Highly efficient EC backward curved radial fan
- Constant flow fan
- Ultra precise and fast flow measurement done by Vane-Anemometer
- Spare part contains complete fan (easily replaceable)



HEAT EXCHANGER

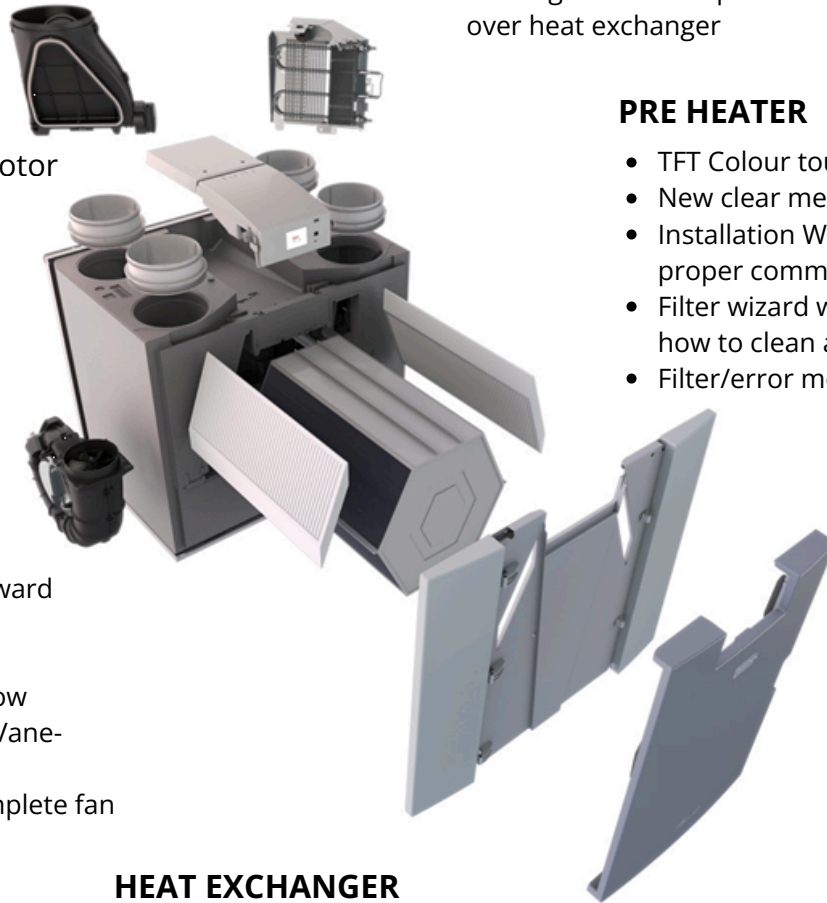
- Holmak TST 35
- Larger surface area
- Lower pressure loss (Pa)
- Higher Thermal Efficiency
- Material: PETG or B2 class
- Guiding sleeves (long term air-tightness)

PRE HEATER

- Larger surface (cooling ribs)
- Double safety switch max temp
- New aerodynamic design
- Guiding vanes for equal air-flow over heat exchanger

PRE HEATER

- TFT Colour touch-screen
- New clear menu structure
- Installation Wizard for quick and proper commissioning
- Filter wizard with instructions on how to clean and replace
- Filter/error messages, also via LED



THE ADVANTAGES AT A GLANCE

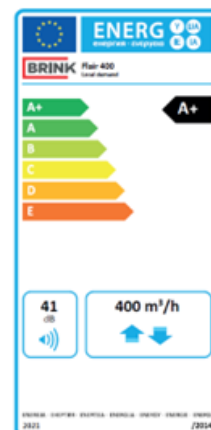
- Most modern communication options
- Comprehensive control options
- Useful installation and maintenance wizards
- Optimum balance between thermal efficiency & energy consumption
- Very quiet operation
- Constant flow motor with integrated anemometer ensures precise control of air flow

Brink Flair 225

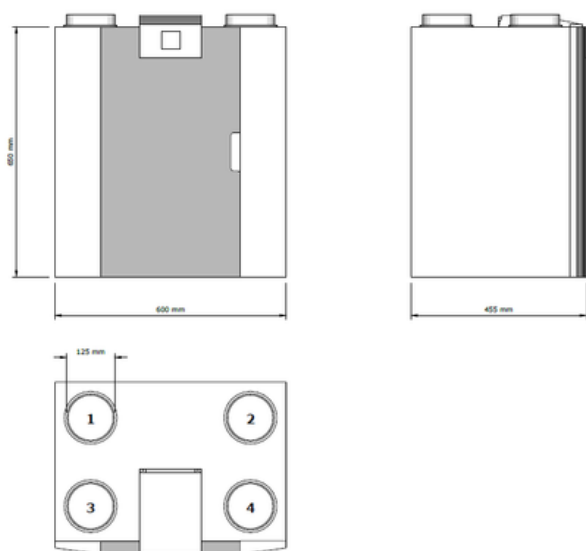
The Flair 225 is a unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 225 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Touchscreen
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



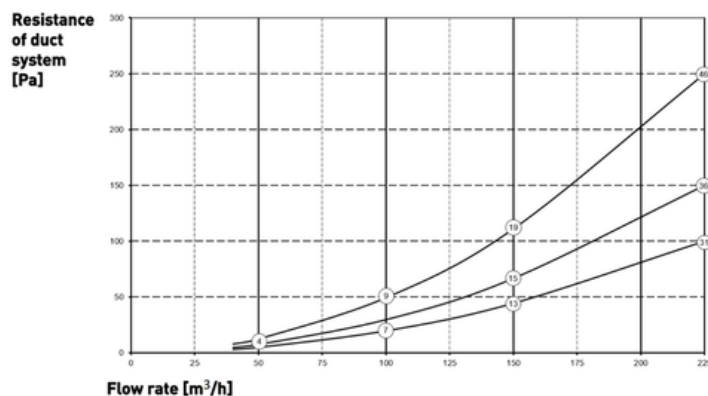
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.55	92%
n=2	0.52	92%
n=3	0.55	91%
n=4	0.63	90%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Note:
The state value in the circle is the capacity (in Watt) per fan

Brink Flair 225					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	600 x 650 x 455				
Duct diameter (mm)	125				
External diameter condensate discharge (mm)	32				
Weight (kg)	29				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	40	50	100	150	250
Permissible resistance of duct system (Pa)	3.0 - 8.0	5.0 - 12.0	20.0 - 49.0	44.0 - 111.0	100.0 - 250.0
Rated power (excl. preheater) (W)	7.9 - 8.3	8.0 - 8.7	13.2 - 17.3	26.2 - 37.9	61.5 - 92.2
Rated current (excl. preheater) (A)	0.10 - 0.11	0.10 - 0.10	0.13 - 0.16	0.22 - 0.32	0.48 - 0.70
Max. rated current (incl. preheater switched on) (A)	3.8				
Cos	0.336 - 0.340	0.357 - 0.363	0.447 - 0.460	0.507 - 0.521	0.522 - 0.572

Sound power (Supply) - Brink Flair 225												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	56.1	53.1	46.3	42.3	35.1	23.6	10.3	7.3	58.3	43.5
150	25	ISO Coarse 60%	61.7	55.2	49.6	47.4	41.5	33.5	20.6	11.3	62.9	48.5
	50	ISO Coarse 60%	61.2	60.4	52.5	48.9	43.1	35.4	24.5	12.1	64.3	51.0
200	50	ISO Coarse 60%	66.2	58.4	60.4	52.8	47.9	42.5	31.9	17.5	67.9	55.0
	100	ISO Coarse 60%	62.8	61.0	62.2	55.1	49.9	43.9	35.1	22.6	67.2	57.0
228	50	ISO Coarse 60%	66.2	59.8	60.2	54.8	49.7	44.8	35.0	22.1	68.2	56.0
	75	ISO Coarse 60%	67.0	60.8	60.2	55.6	50.6	46.1	36.9	23.2	68.9	57.0
250	100	ISO Coarse 60%	67.1	62.6	66.5	58.1	53.4	49.4	40.9	28.4	70.9	61.0
	150	ISO Coarse 60%	65.6	64.4	67.2	58.6	53.7	48.3	40.8	29.9	71.0	61.5
325	100	ISO Coarse 60%	68.8	66.3	75.9	61.3	57.3	54.4	46.9	35.8	77.2	69.5
	150	ISO Coarse 60%	70.2	66.5	73.6	62.9	58.3	55.5	47.8	37.3	76.1	68.5

Sound power (Extract) - Brink Flair 225

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	54.3	43.5	36.3	24.3	15.2	8.7	0.4	5.6	54.7	32.0
150	25	ISO Coarse 60%	65.9	49.3	43.8	29.3	21.5	15.6	5.4	12.2	66.0	39.5
	50	ISO Coarse 60%	53.8	49.7	41.6	31.1	23.4	18.3	7.0	5.6	55.4	37.5
200	50	ISO Coarse 60%	64.1	50.7	54.9	36.1	27.9	24.0	12.0	7.4	64.8	45.5
	100	ISO Coarse 60%	55.8	55.9	49.2	38.9	30.3	26.6	18.7	8.1	59.4	44.0
228	50	ISO Coarse 60%	65.6	55.4	55.5	38.2	29.9	26.6	17.3	17.4	66.4	47.5
	75	ISO Coarse 60%	64.9	51.0	54.6	37.7	31.1	28.3	17.5	10.0	65.5	46.0
250	100	ISO Coarse 60%	63.0	54.8	56.5	39.9	33.7	30.7	21.3	9.8	64.4	49.0
	150	ISO Coarse 60%	61.0	58.8	54.4	42.8	35.3	31.6	24.1	10.4	63.7	48.5
325	100	ISO Coarse 60%	67.7	61.8	60.7	46.3	37.7	36.0	28.9	21.6	69.4	54.0
	150	ISO Coarse 60%	63.4	58.7	60.8	44.8	38.4	36.6	28.0	13.8	66.2	54.5

Sound power (Breakout) - Brink Flair 225

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	37.2	33.5	32.0	25.0	16.3	14.4	4.5	4.9	39.8	27.1
150	25	ISO Coarse 60%	42.0	42.2	37.9	30.0	24.0	20.5	9.1	14.5	46.0	33.4
	50	ISO Coarse 60%	37.8	41.6	38.3	31.6	25.3	22.7	10.7	8.2	44.7	34.1
200	50	ISO Coarse 60%	45.7	44.5	47.1	35.5	29.6	28.0	16.9	17.0	50.9	40.5
	100	ISO Coarse 60%	42.4	48.4	44.7	38.7	32.6	31.0	19.9	12.4	51.0	41.1
228	50	ISO Coarse 60%	42.5	45.8	47.6	37.7	31.8	30.5	20.3	19.2	50.9	41.6
	75	ISO Coarse 60%	45.3	41.5	49.9	38.2	32.3	31.6	18.9	11.8	51.9	43.1
250	100	ISO Coarse 60%	44.6	46.8	52.0	40.9	35.3	35.6	23.8	14.4	54.0	45.6
	150	ISO Coarse 60%	45.1	52.6	51.3	40.9	36.8	34.9	25.5	16.6	55.7	45.7
325	100	ISO Coarse 60%	48.2	53.0	55.1	45.3	39.7	40.1	31.8	26.0	58.1	49.5
	150	ISO Coarse 60%	48.7	47.4	55.2	45.0	39.8	40.5	30.7	22.7	57.1	49.3

Brink Flair 325

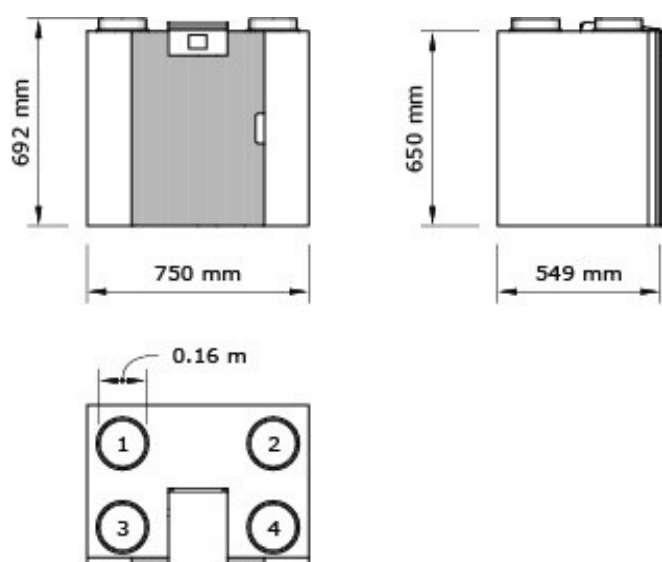
The Flair 325 is a unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 325 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Touchscreen
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



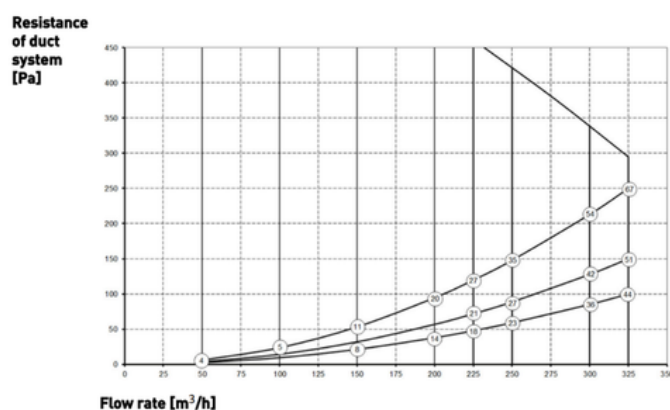
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.55	92%
n=2	0.52	92%
n=3	0.55	91%
n=4	0.63	90%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Note:
The state value in the circle is the capacity (in Watt) per fan

Flair 325					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	650 x 750 x 560				
Duct diameter (mm)	160				
External diameter condensate discharge (mm)	32				
Weight (kg)	37				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	50	100	150	250	325
Permissible resistance of duct system (Pa)	2.0 - 6.0	9.0 - 24.0	21.0 - 53.0	59.0 - 148.0	100.0 - 250.0
Rated power (excl. preheater) (W)	6.1 - 6.6	7.9 - 10.3	15.1 - 21.0	46.6 - 69.1	87.5 - 133.4
Rated current (excl. preheater) (A)	0.08	0.09 - 0.11	0.15 - 0.21	0.41 - 0.59	0.73 - 1.07
Max. rated current (incl. preheater switched on) (A)	6				
Cos	0.341 - 0.343	0.389 - 0.394	0.430 - 0.439	0.492 - 0.507	0.521 - 0.542

Sound power (Supply) - Brink Flair 325												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	56.1	53.1	46.3	42.3	35.1	23.6	10.3	7.3	58.3	43.5
150	25	ISO Coarse 60%	61.7	55.2	49.6	47.4	41.5	33.5	20.6	11.3	62.9	48.5
	50	ISO Coarse 60%	61.2	60.4	52.5	48.9	43.1	35.4	24.5	12.1	64.3	51.0
200	50	ISO Coarse 60%	66.2	58.4	60.4	52.8	47.9	42.5	31.9	17.5	67.9	55.0
	100	ISO Coarse 60%	62.8	61.0	62.2	55.1	49.9	43.9	35.1	22.6	67.2	57.0
228	50	ISO Coarse 60%	66.2	59.8	60.2	54.8	49.7	44.8	35.0	22.1	68.2	56.0
	75	ISO Coarse 60%	67.0	60.8	60.2	55.6	50.6	46.1	36.9	23.2	68.9	57.0
250	100	ISO Coarse 60%	67.1	62.6	66.5	58.1	53.4	49.4	40.9	28.4	70.9	61.0
	150	ISO Coarse 60%	65.6	64.4	67.2	58.6	53.7	48.3	40.8	29.9	71.0	61.5
325	100	ISO Coarse 60%	68.8	66.3	75.9	61.3	57.3	54.4	46.9	35.8	77.2	69.5
	150	ISO Coarse 60%	70.2	66.5	73.6	62.9	58.3	55.5	47.8	37.3	76.1	68.5

Sound power (Extract) - Brink Flair 325

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	54.3	43.5	36.3	24.3	15.2	8.7	0.4	5.6	54.7	32.0
150	25	ISO Coarse 60%	65.9	49.3	43.8	29.3	21.5	15.6	5.4	12.2	66.0	39.5
	50	ISO Coarse 60%	53.8	49.7	41.6	31.1	23.4	18.3	7.0	5.6	55.4	37.5
200	50	ISO Coarse 60%	64.1	50.7	54.9	36.1	27.9	24.0	12.0	7.4	64.8	45.5
	100	ISO Coarse 60%	55.8	55.9	49.2	38.9	30.3	26.6	18.7	8.1	59.4	44.0
228	50	ISO Coarse 60%	65.6	55.4	55.5	38.2	29.9	26.6	17.3	17.4	66.4	47.5
	75	ISO Coarse 60%	64.9	51.0	54.6	37.7	31.1	28.3	17.5	10.0	65.5	46.0
250	100	ISO Coarse 60%	63.0	54.8	56.5	39.9	33.7	30.7	21.3	9.8	64.4	49.0
	150	ISO Coarse 60%	61.0	58.8	54.4	42.8	35.3	31.6	24.1	10.4	63.7	48.5
325	100	ISO Coarse 60%	67.7	61.8	60.7	46.3	37.7	36.0	28.9	21.6	69.4	54.0
	150	ISO Coarse 60%	63.4	58.7	60.8	44.8	38.4	36.6	28.0	13.8	66.2	54.5

Sound power (Breakout) - Flair 325

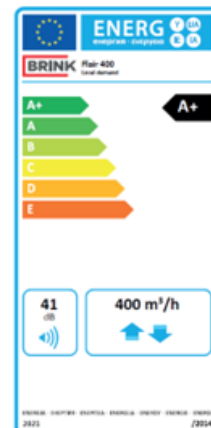
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	37.2	33.5	32.0	25.0	16.3	14.4	4.5	4.9	39.8	27.1
150	25	ISO Coarse 60%	42.0	42.2	37.9	30.0	24.0	20.5	9.1	14.5	46.0	33.4
	50	ISO Coarse 60%	37.8	41.6	38.3	31.6	25.3	22.7	10.7	8.2	44.7	34.1
200	50	ISO Coarse 60%	45.7	44.5	47.1	35.5	29.6	28.0	16.9	17.0	50.9	40.5
	100	ISO Coarse 60%	42.4	48.4	44.7	38.7	32.6	31.0	19.9	12.4	51.0	41.1
228	50	ISO Coarse 60%	42.5	45.8	47.6	37.7	31.8	30.5	20.3	19.2	50.9	41.6
	75	ISO Coarse 60%	45.3	41.5	49.9	38.2	32.3	31.6	18.9	11.8	51.9	43.1
250	100	ISO Coarse 60%	44.6	46.8	52.0	40.9	35.3	35.6	23.8	14.4	54.0	45.6
	150	ISO Coarse 60%	45.1	52.6	51.3	40.9	36.8	34.9	25.5	16.6	55.7	45.7
325	100	ISO Coarse 60%	48.2	53.0	55.1	45.3	39.7	40.1	31.8	26.0	58.1	49.5
	150	ISO Coarse 60%	48.7	47.4	55.2	45.0	39.8	40.5	30.7	22.7	57.1	49.3

Brink Flair 400

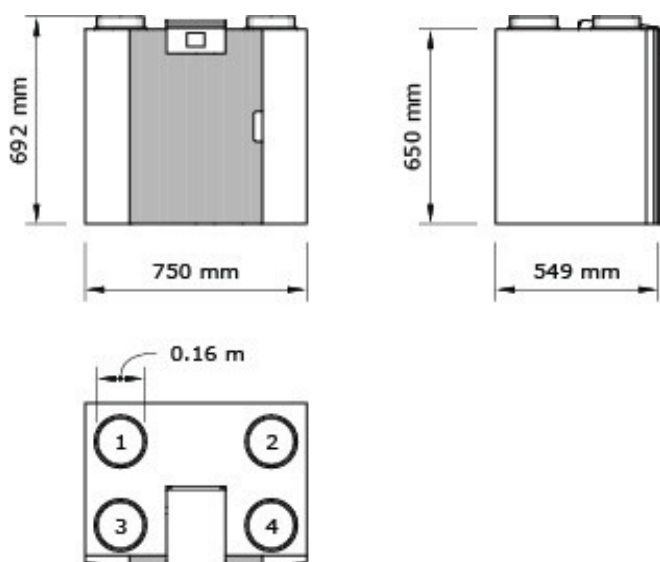
The Flair 400 is a unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 400 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Touchscreen
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



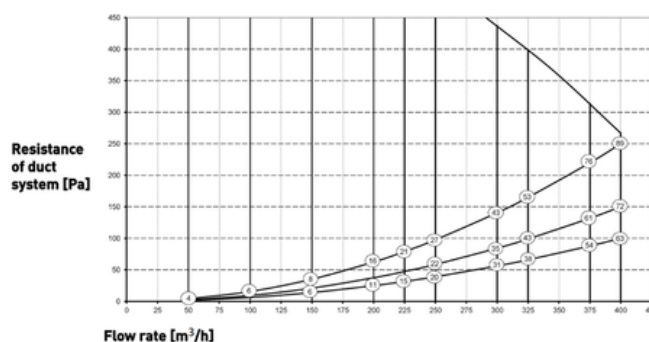
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.48	92%
n=2	0.49	91%
n=3	0.53	90%
n=4	0.63	90%
n=5	0.74	90%
n=6	0.9	89%
n=7	1.08	89%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Note:
The state value in the circle is the capacity (in Watt) per fan

Flair 400					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	750 x 650 x 560				
Duct diameter (mm)	180				
External diameter condensate discharge (mm)	32				
Weight (kg)	38.5				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	50	100	200	300	400
Permissible resistance of duct system (Pa)	2.0 - 4.0	6.0 - 16.0	25.0 - 63.0	56.0 - 141.0	100.0 - 250.0
Rated power (excl. preheater) (W)	7.6 - 7.8	10.3 - 11.5	23.0 - 31.4	62.5 - 87.0	126.6 - 177.9
Rated current (excl. preheater) (A)	0.12	0.15 - 0.16	0.25 - 0.33	0.58 - 0.77	1.01 - 1.38
Max. rated current (incl. preheater switched on) (A)	6				
Cos	0.270 - 0.272	0.300 - 0.310	0.369 - 0.410	0.470 - 0.493	0.545 - 0.560

Sound power (Supply) - Brink Flair 400												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	63.2	50.8	47.5	42.9	36.4	24.8	15.7	18.2	63.6	44.5
150	50	ISO Coarse 60%	61.9	55.1	52.8	49.7	43.9	36.5	25.1	25.5	63.4	50.5
200	100	ISO Coarse 60%	65.1	59.7	58.7	55.6	50.5	45.0	35.9	23.6	67.3	57.0
250	50	ISO Coarse 60%	65.6	58.0	61.5	56.5	51.6	47.2	38.7	25.0	68.0	58.0
300	150	ISO Coarse 60%	68.0	63.4	75.3	61.2	56.7	53.3	46.0	34.7	76.5	69.5
350	100	ISO Coarse 60%	69.0	65.0	74.8	62.5	58.1	55.6	49.2	38.1	76.5	69.5
400	100	ISO Coarse 60%	71.2	68.2	75.9	66.9	60.8	58.8	53.1	42.7	78.2	71.0

Sound power (Extract) - Brink Flair 400

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	53.8	48.0	41.5	29.2	16.9	10.6	11.2	17.0	55.0	36.0
150	50	ISO Coarse 60%	59.3	55.6	48.5	38.7	25.4	21.3	11.7	17.4	61.1	43.5
200	100	ISO Coarse 60%	59.7	57.1	51.2	39.0	31.1	29.2	18.1	16.6	62.0	45.0
250	50	ISO Coarse 60%	55.4	56.6	55.0	38.8	31.4	30.9	19.4	16.5	60.5	46.5
300	150	ISO Coarse 60%	61.9	61.2	58.2	43.8	36.9	37.0	27.3	18.3	65.5	52.0
350	100	ISO Coarse 60%	61.3	60.0	56.4	44.4	38.1	39.0	29.1	18.5	64.5	51.0
400	100	ISO Coarse 60%	62.9	64.9	66.9	52.8	40.7	41.9	32.3	20.4	70.1	61.0

Sound power (Breakout) - Brink Flair 400

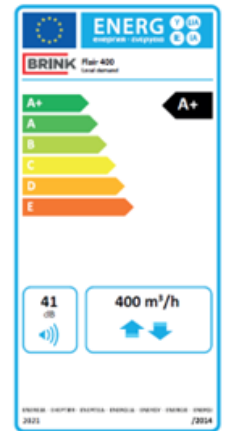
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	32.5	33.1	35.0	26.7	18.9	12.9	3.1	6.5	38.8	29.0
150	50	ISO Coarse 60%	43.6	41.0	39.7	32.8	26.6	23.5	10.8	7.4	46.8	35.5
200	100	ISO Coarse 60%	44.5	45.2	47.0	38.7	32.9	31.3	21.8	14.1	50.9	41.5
250	50	ISO Coarse 60%	42.0	42.4	50.9	38.8	33.1	32.8	25.5	29.3	52.3	43.5
300	150	ISO Coarse 60%	44.6	46.4	54.4	42.6	37.4	37.7	29.7	29.8	55.8	48.0
350	100	ISO Coarse 60%	46.5	48.2	57.6	45.8	39.8	41.1	33.0	27.3	58.7	52.0
400	100	ISO Coarse 60%	46.2	51.7	59.9	50.3	42.4	44.2	37.0	31.3	61.2	55.0

Brink Flair 450

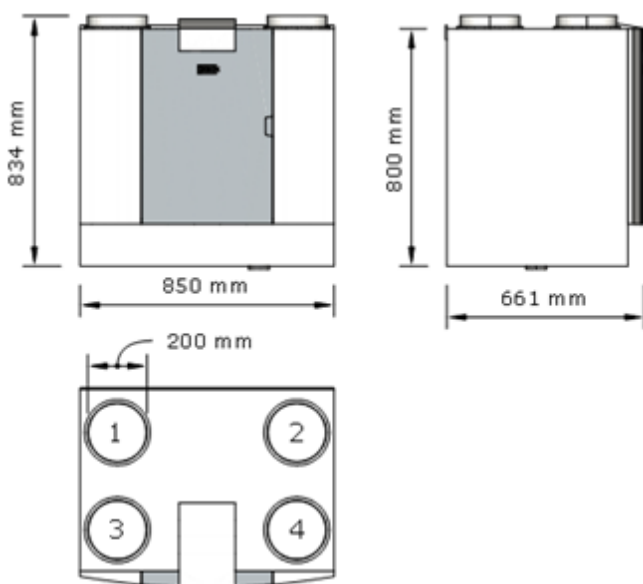
The Flair 450 is a unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 450 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Touchscreen
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



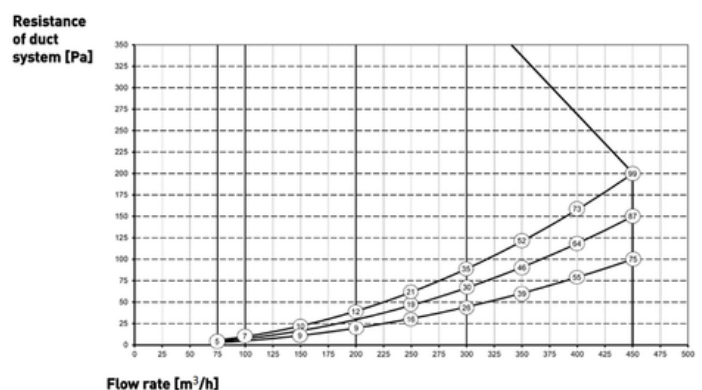
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.48	92%
n=2	0.49	91%
n=3	0.53	90%
n=4	0.63	90%
n=5	0.74	90%
n=6	0.9	89%
n=7	1.08	89%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Note:

The state value in the circle is the capacity (in Watt) per fan

Flair 450					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	850 x 800 x 660				
Duct diameter (mm)	200				
External diameter condensate discharge (mm)	32				
Weight (kg)	49				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	75	100	200	300	450
Permissible resistance of duct system (Pa)	3.0 - 6.0	5.0 - 10.0	20.0 - 40.0	44.0 - 89.0	100.0 - 200.0
Rated power (excl. preheater) (W)	10.4 - 10.8	12.4 - 13.2	17.6 - 23.8	51.9 - 69.3	149.5 - 198.8
Rated current (excl. preheater) (A)	0.17	0.19	0.20 - 0.27	0.53 - 0.69	1.32 - 1.68
Max. rated current (incl. preheater switched on) (A)	5.2				
Cos	0.271 - 0.274	0.291 - 0.295	0.378 - 0.383	0.425 - 0.437	0.492 - 0.514

Sound power (Supply) - Brink Flair 450												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	63.2	50.8	47.5	42.9	36.4	24.8	15.7	18.2	63.6	44.5
150	50	ISO Coarse 60%	61.9	55.1	52.8	49.7	43.9	36.5	25.1	25.5	63.4	50.5
200	100	ISO Coarse 60%	65.1	59.7	58.7	55.6	50.5	45.0	35.9	23.6	67.3	57.0
250	50	ISO Coarse 60%	65.6	58.0	61.5	56.5	51.6	47.2	38.7	25.0	68.0	58.0
300	150	ISO Coarse 60%	68.0	63.4	75.3	61.2	56.7	53.3	46.0	34.7	76.5	69.5
350	100	ISO Coarse 60%	69.0	65.0	74.8	62.5	58.1	55.6	49.2	38.1	76.5	69.5
400	100	ISO Coarse 60%	71.2	68.2	75.9	66.9	60.8	58.8	53.1	42.7	78.2	71.0

Sound power (Extract) - Brink Flair 450

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	53.8	48.0	41.5	29.2	16.9	10.6	11.2	17.0	55.0	36.0
150	50	ISO Coarse 60%	59.3	55.6	48.5	38.7	25.4	21.3	11.7	17.4	61.1	43.5
200	100	ISO Coarse 60%	59.7	57.1	51.2	39.0	31.1	29.2	18.1	16.6	62.0	45.0
250	50	ISO Coarse 60%	55.4	56.6	55.0	38.8	31.4	30.9	19.4	16.5	60.5	46.5
300	150	ISO Coarse 60%	61.9	61.2	58.2	43.8	36.9	37.0	27.3	18.3	65.5	52.0
350	100	ISO Coarse 60%	61.3	60.0	56.4	44.4	38.1	39.0	29.1	18.5	64.5	51.0
400	100	ISO Coarse 60%	62.9	64.9	66.9	52.8	40.7	41.9	32.3	20.4	70.1	61.0

Sound power (Breakout) - Brink Flair 450

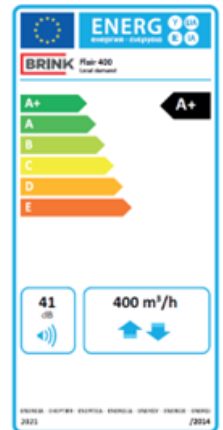
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	32.5	33.1	35.0	26.7	18.9	12.9	3.1	6.5	38.8	29.0
150	50	ISO Coarse 60%	43.6	41.0	39.7	32.8	26.6	23.5	10.8	7.4	46.8	35.5
200	100	ISO Coarse 60%	44.5	45.2	47.0	38.7	32.9	31.3	21.8	14.1	50.9	41.5
250	50	ISO Coarse 60%	42.0	42.4	50.9	38.8	33.1	32.8	25.5	29.3	52.3	43.5
300	150	ISO Coarse 60%	44.6	46.4	54.4	42.6	37.4	37.7	29.7	29.8	55.8	48.0
350	100	ISO Coarse 60%	46.5	48.2	57.6	45.8	39.8	41.1	33.0	27.3	58.7	52.0
400	100	ISO Coarse 60%	46.2	51.7	59.9	50.3	42.4	44.2	37.0	31.3	61.2	55.0

Brink Flair 600

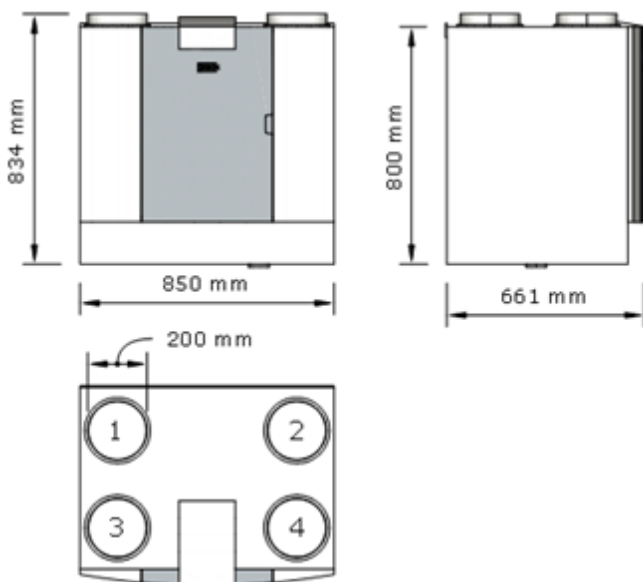
The Flair 600 is a unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 600 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Touchscreen
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



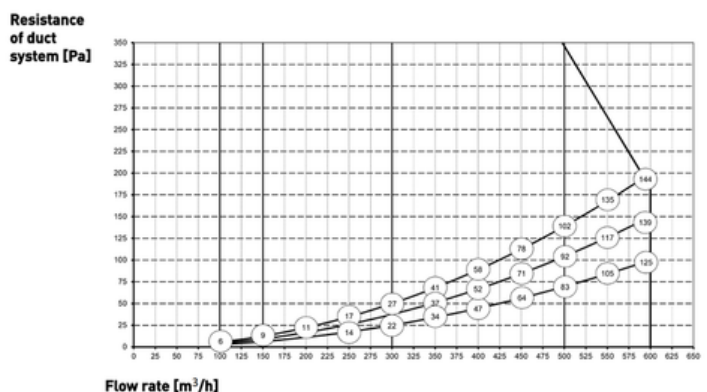
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.48	92%
n=2	0.49	91%
n=3	0.53	90%
n=4	0.63	90%
n=5	0.74	90%
n=6	0.9	89%
n=7	1.08	89%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Note:

The state value in the circle is the capacity (in Watt) per fan

Flair 600					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	850 x 800 x 660				
Duct diameter (mm)	200				
External diameter condensate discharge (mm)	32				
Weight (kg)	49				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	100	150	300	500	600
Permissible resistance of duct system (Pa)	3.0 - 6.0	6.0 - 13.0	25.0 - 50.0	69.0 - 139.0	100.0 - 188.0
Rated power (excl. preheater) (W)	12.1 - 12.5	17.2 - 18.3	44.5 - 54.2	166.6 - 203.1	260.6 - 288.0
Rated current (excl. preheater) (A)	0.18 - 0.19	0.23 - 0.24	0.46 - 0.55	1.45 - 1.71	2.11 - 2.30
Max. rated current (incl. preheater switched on) (A)	5.7				
Cos	0.288 - 0.291	0.322 - 0.327	0.421 - 0.427	0.500 - 0.516	0.536 - 0.544

Sound power (Supply) - Brink Flair 600												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	63.2	50.8	47.5	42.9	36.4	24.8	15.7	18.2	63.6	44.5
150	50	ISO Coarse 60%	61.9	55.1	52.8	49.7	43.9	36.5	25.1	25.5	63.4	50.5
200	100	ISO Coarse 60%	65.1	59.7	58.7	55.6	50.5	45.0	35.9	23.6	67.3	57.0
250	50	ISO Coarse 60%	65.6	58.0	61.5	56.5	51.6	47.2	38.7	25.0	68.0	58.0
300	150	ISO Coarse 60%	68.0	63.4	75.3	61.2	56.7	53.3	46.0	34.7	76.5	69.5
350	100	ISO Coarse 60%	69.0	65.0	74.8	62.5	58.1	55.6	49.2	38.1	76.5	69.5
400	100	ISO Coarse 60%	71.2	68.2	75.9	66.9	60.8	58.8	53.1	42.7	78.2	71.0

Sound power (Extract) - Brink Flair 600

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	53.8	48.0	41.5	29.2	16.9	10.6	11.2	17.0	55.0	36.0
150	50	ISO Coarse 60%	59.3	55.6	48.5	38.7	25.4	21.3	11.7	17.4	61.1	43.5
200	100	ISO Coarse 60%	59.7	57.1	51.2	39.0	31.1	29.2	18.1	16.6	62.0	45.0
250	50	ISO Coarse 60%	55.4	56.6	55.0	38.8	31.4	30.9	19.4	16.5	60.5	46.5
300	150	ISO Coarse 60%	61.9	61.2	58.2	43.8	36.9	37.0	27.3	18.3	65.5	52.0
350	100	ISO Coarse 60%	61.3	60.0	56.4	44.4	38.1	39.0	29.1	18.5	64.5	51.0
400	100	ISO Coarse 60%	62.9	64.9	66.9	52.8	40.7	41.9	32.3	20.4	70.1	61.0

Sound power (Breakout) - Brink Flair 600

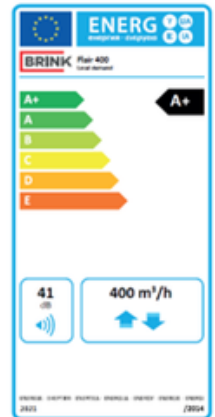
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	25	ISO Coarse 60%	32.5	33.1	35.0	26.7	18.9	12.9	3.1	6.5	38.8	29.0
150	50	ISO Coarse 60%	43.6	41.0	39.7	32.8	26.6	23.5	10.8	7.4	46.8	35.5
200	100	ISO Coarse 60%	44.5	45.2	47.0	38.7	32.9	31.3	21.8	14.1	50.9	41.5
250	50	ISO Coarse 60%	42.0	42.4	50.9	38.8	33.1	32.8	25.5	29.3	52.3	43.5
300	150	ISO Coarse 60%	44.6	46.4	54.4	42.6	37.4	37.7	29.7	29.8	55.8	48.0
350	100	ISO Coarse 60%	46.5	48.2	57.6	45.8	39.8	41.1	33.0	27.3	58.7	52.0
400	100	ISO Coarse 60%	46.2	51.7	59.9	50.3	42.4	44.2	37.0	31.3	61.2	55.0

Brink Sky 150

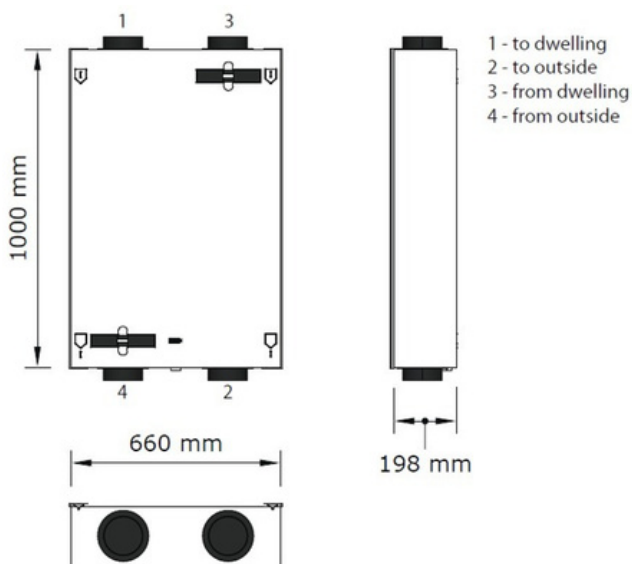
The Sky 150 is a ventilation unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 150 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



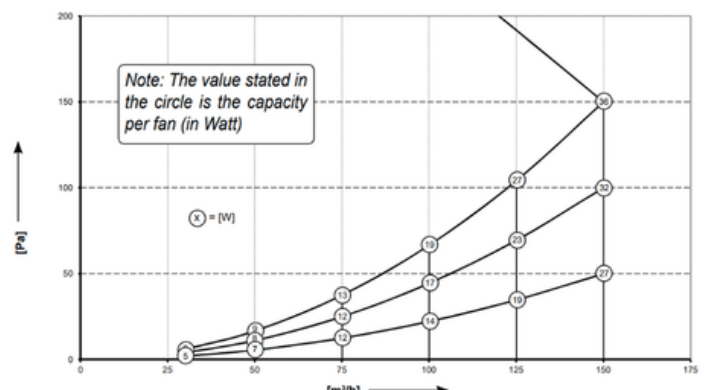
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.75	88%
n=2	0.86	85%
n=3	1.04	84%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Brink Sky 150					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	1000 x 660 x 198				
Duct diameter (mm)	125				
External diameter condensate discharge (")	3/4				
Weight (kg)	24.5				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	30	75	100	125	150
Permissible resistance of duct system (Pa)	2.0 - 6.0	13.0 - 38.0	22.0 - 66.0	35.0 - 105.0	50.0 - 150.0
Rated power (excl. preheater) (W)	11.0 - 12.0	19.0 - 27.0	27.0 - 37.0	38.0 - 52.0	53.0 - 72.0
Rated current (excl. preheater) (A)	0.14 - 0.15	0.20 - 0.28	0.27 - 0.35	0.36 - 0.47	0.49 - 0.64
Max. rated current (incl. preheater switched on) (A)	2.4				
Cos	0.340	0.420	0.440 - 0.470	0.460 - 0.480	0.470 - 0.490

Sound power (Supply) - Brink Sky 150												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
45	50	ISO Coarse 60%	74.6	63.6	56.0	48.5	47.9	41.1	34.0	24.9	76.6	55.1
	100	ISO Coarse 60%	83.6	71.2	62.5	54.8	56.8	51.5	45.8	39.1	83.9	62.9
75	50	ISO Coarse 60%	77.0	65.8	58.0	51.2	52.9	43.6	37.2	27.8	77.4	57.7
	100	ISO Coarse 60%	81.2	71.2	63.1	55.6	56.6	48.1	42.8	35.0	81.7	62.2
105	50	ISO Coarse 60%	79.4	67.9	61.9	54.7	56.8	47.8	42.4	34.2	79.8	61.1
	100	ISO Coarse 60%	81.2	71.2	63.1	55.6	56.6	48.1	42.8	35.0	81.7	62.2
150	50	ISO Coarse 60%	82.2	73.7	69.0	60.7	60.7	54.0	49.5	43.2	83.0	66.2
	100	ISO Coarse 60%	84.8	75.3	70.7	63.6	61.9	57.3	52.5	46.9	85.4	68.2

Sound power (Extract) - Brink Sky 150

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
45	50	ISO Coarse 60%	62.4	56.6	48.3	36.5	31.9	17.6	15.7	19.1	63.5	44.5
	100	ISO Coarse 60%	64.8	62.4	54.3	42.0	37.7	24.9	18.6	19.2	67.0	50.0
75	50	ISO Coarse 60%	61.1	58.4	49.1	37.5	31.8	18.6	16.0	19.1	63.1	45.5
	100	ISO Coarse 60%	63.4	61.3	56.3	43.5	36.1	22.7	17.6	20.5	66.0	50.5
105	50	ISO Coarse 60%	61.1	60.1	52.1	41.1	35.8	22.7	17.6	19.2	63.9	47.8
	100	ISO Coarse 60%	63.6	62.6	56.6	44.4	38.1	26.0	19.5	19.3	66.6	51.2
150	50	ISO Coarse 60%	64.6	64.6	59.5	48.0	40.2	29.1	21.7	19.7	68.3	53.8
	100	ISO Coarse 60%	63.0	66.0	60.5	49.3	41.2	31.3	23.4	20.1	68.5	55.0

Sound power (Breakout) - Brink Sky 150

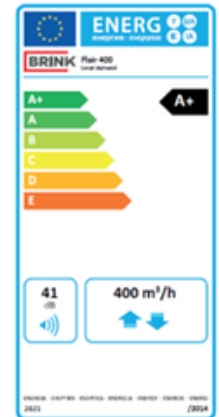
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
45	50	ISO Coarse 60%	44.3	45.8	36.4	28.3	27.8	16.9	15.3	19.0	-	34.3
	100	ISO Coarse 60%	47.9	53.2	42.0	34.4	33.5	23.1	17.1	19.1	-	40.5
75	50	ISO Coarse 60%	47.2	46.8	39.0	30.2	29.6	17.7	15.5	19.1	-	36.0
	100	ISO Coarse 60%	48.5	51.0	44.4	36.0	32.6	22.0	16.8	19.1	-	40.4
105	50	ISO Coarse 60%	46.6	48.7	43.0	33.7	32.9	21.3	16.5	19.1	-	39.0
	100	ISO Coarse 60%	48.7	52.1	45.4	37.0	34.6	24.5	18.0	19.1	-	41.6
150	50	ISO Coarse 60%	49.5	54.3	49.7	40.7	36.6	27.8	19.8	19.3	-	44.8
	100	ISO Coarse 60%	52.4	56.2	50.2	41.5	37.5	29.8	21.1	19.4	-	45.8

Brink Sky 200

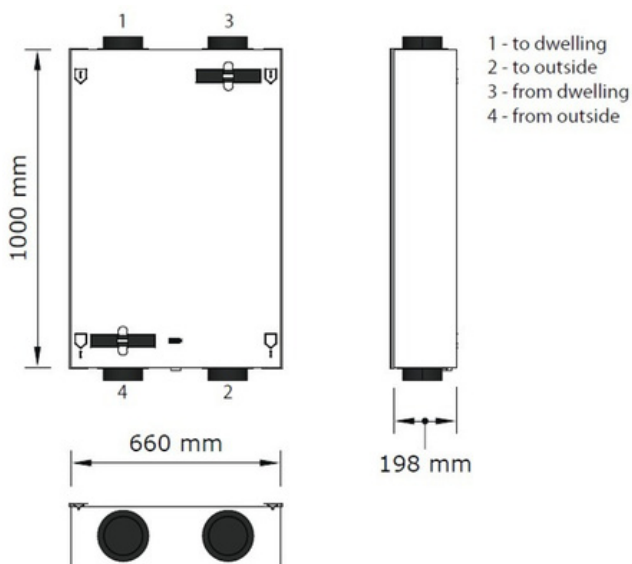
The Sky 200 is a ventilation unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 200 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



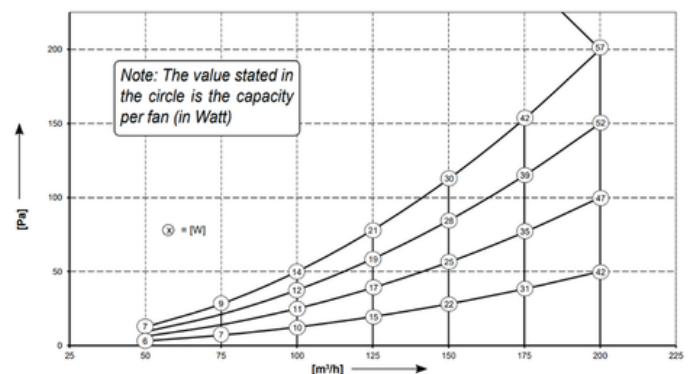
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.75	88%
n=2	0.86	85%
n=3	1.04	84%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Brink Sky 200					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	1000 x 660 x 198				
Duct diameter (mm)	160				
External diameter condensate discharge (")	3/4				
Weight (kg)	24.5				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	50	100	125	150	200
Permissible resistance of duct system (Pa)	3.0 - 13.0	13.0 - 50.0	20.0 - 78.0	28.0 - 113.0	50.0 - 200.0
Rated power (excl. preheater) (W)	12.0 - 13.0	20.0 - 27.0	30.0 - 41.0	44.0 - 61.0	84.0 - 114.0
Rated current (excl. preheater) (A)	0.13 - 0.15	0.20 - 0.27	0.28 - 0.39	0.40 - 0.54	0.74 - 0.98
Max. rated current (incl. preheater switched on) (A)	2.7				
Cos	0.380	0.430 - 0.440	0.460	0.480 - 0.490	0.490 - 0.510

Sound power (Supply) - Brink Sky 200												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
75	25	ISO Coarse 60%	44.8	43.7	46.5	39.7	30.6	17.8	48.6	18.2	63.6	44.5
100	50	ISO Coarse 60%	54.0	50.4	55.9	48.8	42.0	31.0	57.8	25.5	63.4	50.5
140	50	ISO Coarse 60%	57.6	55.3	60.1	54.2	48.3	38.9	62.4	23.6	67.3	57.0
125	100	ISO Coarse 60%	60.3	57.7	60.9	56.0	49.6	40.2	63.7	25.0	68.0	58.0
150	100	ISO Coarse 60%	62.3	59.5	62.5	59.1	52.6	44.1	65.7	34.7	76.5	69.5
175	100	ISO Coarse 60%	63.9	62.8	64.2	62.3	55.6	47.6	68.2	38.1	76.5	69.5
200	100	ISO Coarse 60%	66.1	65.3	65.8	65.1	58.1	50.6	70.4	42.7	78.2	71.0

Sound power (Extract) - Brink Sky 200

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
75	25	ISO Coarse 60%	35.9	34.3	32.0	19.4	15.1	13.7	35.4	17.0	55.0	36.0
100	50	ISO Coarse 60%	43.4	40.4	38.2	26.5	19.7	14.2	41.8	17.4	61.1	43.5
140	50	ISO Coarse 60%	48.7	46.3	41.6	31.8	24.4	15.5	46.6	16.6	62.0	45.0
125	100	ISO Coarse 60%	49.4	46.8	42.2	32.2	24.9	15.7	47.2	16.5	60.5	46.5
150	100	ISO Coarse 60%	51.8	49	43.5	35.1	27.4	17.1	49.2	18.3	65.5	52.0
175	100	ISO Coarse 60%	54.6	51.4	44.8	37.8	30.0	19.4	51.4	18.5	64.5	51.0
200	100	ISO Coarse 60%	55.7	53.3	45.6	39.6	31.6	21.0	52.9	20.4	70.1	61.0

Sound power (Breakout) - Brink Sky 200

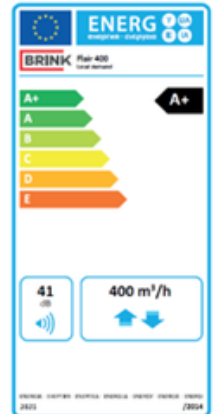
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
75	25	ISO Coarse 60%	35.8	32.4	29.5	18.0	14.9	13.9	34.0	6.5	38.8	29.0
100	50	ISO Coarse 60%	42.6	38.6	35.1	24.4	20.2	16.1	39.5	7.4	46.8	35.5
140	50	ISO Coarse 60%	47.1	48.2	38.9	29.7	26.5	22.5	46.0	14.1	50.9	41.5
125	100	ISO Coarse 60%	49.1	46.4	39.7	31.3	27.7	23.9	46.3	29.3	52.3	43.5
150	100	ISO Coarse 60%	51.3	47.5	41.3	34.2	30.8	27.9	47.9	29.8	55.8	48.0
175	100	ISO Coarse 60%	53.9	53.7	42.7	37.0	33.4	31.4	52.5	27.3	58.7	52.0
200	100	ISO Coarse 60%	54.8	51.0	44.1	39.9	36.0	34.6	51.7	31.3	61.2	55.0

Brink Sky 300

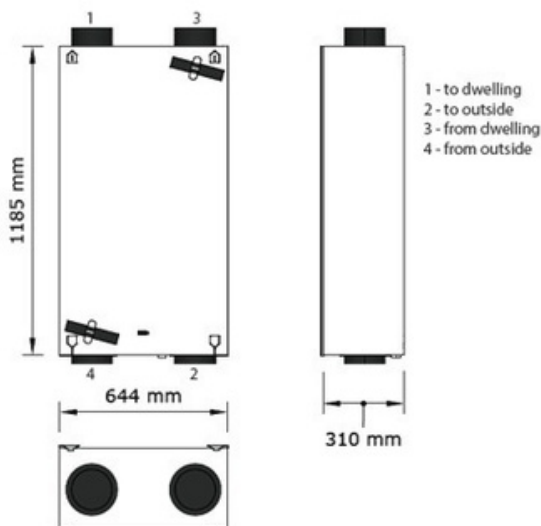
The Sky 300 is a ventilation unit for the balanced ventilation of dwellings with heat recovery.

Features:

- Maximum capacity 300 m³/h
- High return plastic heat exchanger
- Filters ISO Coarse 60%
- Modular electric preheater
- Automatic bypass valve
- Adjustable air quantity
- Filter indication on the appliance and the possibility of a filter indication on the multiple switch
- An intelligent frost protection including modular preheater
- Low sound level
- Constant flow control



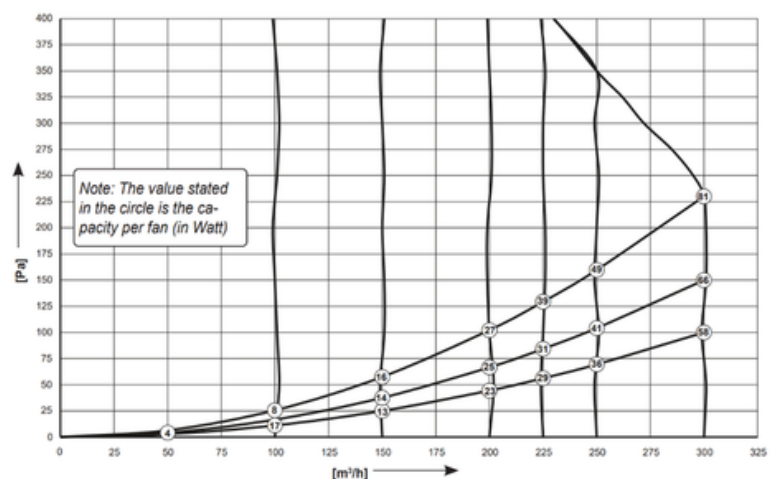
Dimensions (mm)



SAP Results

K+n wet rooms	SFP (W/l/s) 2012	Efficiency (%) 2012
n=1	0.60	90%
n=2	0.62	90%
n=3	0.71	87%
n=4	0.83	86%
n=5	0.97	85%
n=6	1.12	84%

Right-hand version	Left-hand version
1 - From outside	1 - From dwelling
2 - To dwelling	2 - To outside
3 - To outside	3 - To dwelling
4 - From dwelling	4 - From outside



Brink Sky 300					
Supply Voltage	230V/50Hz				
Dimensions (wxhxd) (mm)	1185 x 644 x 310				
Duct diameter (mm)	150 / 160				
External diameter condensate discharge (")	32				
Weight (kg)	37				
Filter class	ISO Coarse 60% (ISO ePM1.0 for the air supply optional)				
Fan Setting (factory setting)	0	1	2	3	max
Factory Setting (m3/hr)	50	100	150	225	300
Permissible resistance of duct system (Pa)	3.0 - 6.0	11.0 - 26.0	25.0 - 58.0	56.0 - 129.0	100.0 - 230.0
Rated power (excl. preheater) (W)	8.7 - 9.1	14.9 - 16.3	25.7 - 37.1	57.8 - 77.8	116.1 - 162.9
Rated current (excl. preheater) (A)	0.10	0.15 - 0.17	0.25 - 0.29	0.50 - 0.66	0.95 - 1.34
Max. rated current (incl. preheater switched on) (A)	6				
Cos	0.390	0.420	0.450 - 0.470	0.500 - 0.510	0.530

Sound power (Supply) - Brink Sky 300												
(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	17	ISO Coarse 60%	58.4	62.8	51.6	46.2	35.9	27.2	17.6	19.3	64.5	49.7
	40	ISO Coarse 60%	59.5	61.9	53.0	46.7	37.0	29.0	18.9	19.4	64.3	49.8
150	38	ISO Coarse 60%	62.7	67.8	59.8	53.9	44.1	38.9	28.5	21.2	69.6	56.4
	80	ISO Coarse 60%	64.8	65.0	64.3	56.9	45.6	40.6	30.9	22.5	69.7	58.7
225	100	ISO Coarse 60%	67.9	66.2	71.3	62.4	53.6	49.8	43.0	34.3	74.1	65.0
	160	ISO Coarse 60%	68.7	66.9	72.1	63.6	54.6	51.0	44.7	36.8	75.0	66.0
300	150	ISO Coarse 60%	72.0	70.2	80.6	68.8	59.9	56.1	50.9	45.2	81.8	73.3
	178	ISO Coarse 60%	71.9	70.5	78.6	69.4	60.5	56.6	51.5	46.1	80.4	72.1

Sound power (Extract) - Brink Sky 300

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	17	ISO Coarse 60%	59.4	50.6	43.4	33.0	17.9	13.0	14.6	19.2	60.0	39.6
	40	ISO Coarse 60%	60.3	50.4	42.9	34.6	18.4	11.9	14.5	19.2	60.8	39.8
150	38	ISO Coarse 60%	60.1	63.7	50.4	40.9	25.1	16.6	14.7	19.2	65.4	49.1
	80	ISO Coarse 60%	61.8	63.5	55.1	43.1	27.2	18.6	15.0	19.2	66.1	50.6
225	100	ISO Coarse 60%	61.9	56.8	63.5	49.7	34.2	26.7	17.9	19.3	66.4	55.7
	160	ISO Coarse 60%	62.7	57.5	63.8	51.1	36.0	28.7	19.2	19.4	67.0	56.2
300	150	ISO Coarse 60%	64.8	60.9	66.7	55.5	41.1	33.6	24.0	20.2	69.7	59.4
	178	ISO Coarse 60%	64.3	61.0	67.3	55.5	41.1	33.5	24.0	20.2	69.9	59.9

Sound power (Breakout)) - Brink Sky 300

(m3/h)	p (Pa)	Filter	63	125	250	500	1000	2000	4000	8000	Total Lw (dB)	Total weighed (dB(A))
100	17	ISO Coarse 60%	40.5	36.7	32.8	26.9	18.1	14.6	14.6	19.2	-	29.0
	40	ISO Coarse 60%	41.6	38.7	33.7	28.1	19.7	16.2	14.8	19.2	-	30.0
150	38	ISO Coarse 60%	44.7	46.0	40.8	34.4	26.0	22.0	17.7	19.3	-	37.0
	80	ISO Coarse 60%	45.0	46.2	46.4	36.5	28.0	24.2	19.1	19.4	-	40.0
225	100	ISO Coarse 60%	49.8	43.4	52.6	42.8	34.9	33.1	29.3	22.3	-	46.0
	160	ISO Coarse 60%	50.4	44.3	54.0	43.5	36.1	34.1	30.4	23.1	-	47.0
300	150	ISO Coarse 60%	51.8	47.6	58.6	48.7	40.0	38.2	35.9	29.8	-	53.0
	178	ISO Coarse 60%	53.3	48.4	57.9	49.1	41.1	39.9	37.7	31.4	-	53.0

Controls

Intelligent ventilation control for your home Mechanical Ventilation Heat Recovery System is an important consideration when choosing a suitable ventilation solution for your home. At CVC Ltd we are happy to offer advice on the energy efficiency and controllability of your heat recovery unit. We use the following controllers for installed MVHR Units.

Brink Home APP - £POA

Efficient service

- Send the service announcement to your installer.
- Let the installer watch your system from a distance.
- Assess what is necessary and find a solution.
- The installer has a clear picture of the setting and parameters.

Optimal Use

- Adjust the ventilation rate for your personal needs.
- Switch to a different control mode.
- Set the ventilation to absent / holiday mode.



Brink SMART App Solution

advantages at a glance:

Check the status of your ventilation system at any time.

- Provides the installer with instant access to monitor your Brink Climate system from a distance.
- Remote control your system from home or when you are on your way home.
- Know how your system is working via the App on your Smartphone or tablet, or with the portal on your PC.

Control the status

- Ventilation rate and flow.
- Bypass open/close.
- CO2 percentage.
- Relative Humidity (RH) percentage.
- The temperature inside/outside.
- 2 zone demand control active.
- Frost protection active.
- Filter status.
- Service announcements.



Touch Control - £POA

The Brink Touch Control allows the user to manually control the unit speed, offers a programmed operation facility and displays error codes.



Relative Humidity Sensor - Included

The Brink Relative Humidity Sensor adds demand control ventilation to the Brink MVHR range. The sensor allows the MVHR to vary airflow based on relative humidity levels in the building.



4 Speed Rotary Switch - £POA

A wall-mounted 4-way switch to manually adjust ventilation rate. The Brink speed control switch allows the user to control the speed of airflow for when the building is occupied, not occupied or when a boost is necessary. The flow rates can be adjusted (preset at installation) depending on the size of the property and the ventilation requirements. The red LED warning light illuminates when filters need checking, this same LED will flash to indicate a fault on the machine.



Wireless Control 4 Way Switch - £POA

A wireless 4-way switch plus boost to manually adjust ventilation rate. It allows the user to control the speed of airflow for when the building is occupied, not occupied or when a boost is necessary. The red LED warning light illuminates when filters need checking, this same LED will flash to indicate a fault on the machine. Needs USB Transceiver. Battery operated or making use of power supply.



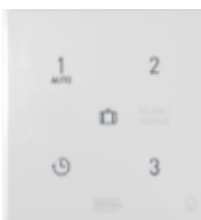
Wireless CO2 Sensor + Power Supply - £POA

The Wireless CO2 Sensor allows the possibility of having demand-controlled ventilation. Once the sensor measures a rising CO2 level in a room, the ventilation unit automatically replaces the indoor air with fresh air from outdoors, thus reducing CO2 levels. If the ventilation unit is controlled by one or more CO2 sensors, the air flow rate is based on the highest measured CO2 content. Needs USB Transceiver and Power Supply



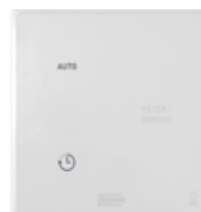
Wireless Relative Humidity Sensor - £POA

The wireless RH Sensor allows the ventilation unit to boost as soon as it detects a rapid humidity increase, the ventilation system switches to maximum ventilation mode to carry off the excess moisture. Therefore, an RH sensor is mainly used in humid areas such as the bathroom. When the relative humidity drops again, boost mode is maintained for another 30 minutes and then switches off. Needs USB Transceiver. Battery operated or making use of power supply.



Wireless Control Switch with CO2 Sensor + Power Supply - £POA

A wireless 4-way switch to manually adjust ventilation rate plus CO2 sensor allowing for demand-controlled ventilation. Once the sensor measures a rising CO2 level in a room, the ventilation unit automatically replaces the indoor air with fresh air from outdoors, thus reducing CO2 levels. If the ventilation unit is controlled by one or more CO2 sensors, the air flow rate is based on the highest measured CO2 content. Needs USB Transceiver and Power Supply.



Wireless Boost Switch with Relative Humidity Sensor - £POA

A wireless boost switch plus relative humidity sensor. The wireless RH Sensor allows the ventilation unit to boost as soon as it detects a rapid humidity increase, the ventilation system switches to maximum ventilation mode to carry off the excess moisture. Alternatively a 30min boost can be activated at a push of a button. Needs USB Transceiver. Battery operated or making use of power supply.



Air Control - £POA

The Brink Air Control Unit is a clock control unit that offers a higher comfort level and even higher energy savings. With this system, you no longer have to think about when you need to ventilate because the Air Control module makes it possible to ventilate at pre-set times The Brink Air Control is suitable for the Flair, Excellent and SKY ranges.



USB Transceiver for Wireless components - £POA

The USB Transceiver allows for communication between the wireless components and the Brink MVHR unit.



Power Supply for Wireless Components - £POA

The power supply allows the possibility of the wireless controls to have mains power instead of being battery operated. They are also necessary for any controller with CO2 sensor.

Ducting & Accessories



**Berkshire
Renewable
Energy**

Steel and Insulated Steel Ducting

Robust ductwork designed to distribute air for central mechanical ventilation and heat recovery systems, for use in residential, commercial, and industrial buildings.

The advantages at a glance:

- Steel ducting is highly resistant to physical damage, deformation, and wear, ensuring long service life even in demanding environments
- Rigid construction holds shape without the need for additional support or bracing
- Safe circular steel duct system with factory-installed EPDM rubber gaskets ensuring durable, high-performance airtight sealing
- Non-combustible and ideal for systems requiring compliance with fire safety codes
- Smooth internal surfaces minimize air resistance and help maintain designed airflow rate
- Heavier gauge material dampens vibration and noise, contributing to quieter operation
- Rigid surfaces and access panels make internal inspection and cleaning straightforward
- Suitable for commercial, industrial, and residential buildings
- Pre-insulated bends use 25mm Armaflex



Steel 90° MF Bend



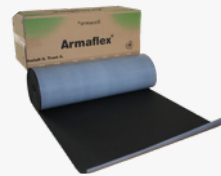
Galvanised
Spiral Steel



Steel Reducer



Steel 45° Bend
Armaflex



Armaflex Self
Adhesive



Steel 90° Bend
Armaflex



Steel 45° Bend



Split Suspension
Rings



Steel Tee



Sound Attenuators



LRCA

Straight silencer with circular connection and low installation height.

LRCA dimensions make it particularly suitable for installation above suspended ceilings or where space is otherwise limited.

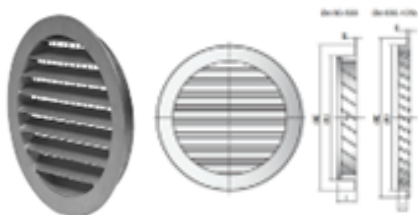
Fulfills tightness class C.

Tested according to ISO 7235 standard.

Ød ₁ [mm]	l [mm]	a [mm]	b [mm]	Insertion loss [dB] for centre frequency [Hz]								m [kg]
				63	125	250	500	1k	2k	4k	8k	
100	500	210	158	8	12	12	23	44	45	30	18	3,2
100	1000	210	158	17	18	25	41	50	50	50	32	5,6
125	500	239	181	8	9	11	21	36	36	23	14	3,9
125	1000	239	181	17	14	21	38	50	50	45	23	6,9
150	500	275	218	7	7	11	19	31	29	16	10	4,4
150	1000	275	218	11	11	17	35	49	50	27	16	7,9
160	500	275	218	6	7	10	18	28	24	13	10	4,4
160	1000	275	218	9	10	19	36	50	49	24	17	7,9
200	500	328	254	5	6	9	16	22	17	7	7	5,7
200	1000	328	254	11	13	15	30	46	36	14	12	10,1



External Grilles



YGC

Valve for outdoor air intake and exhaust air discharge. Bare metal grey*

Ød nom	ØD [mm]	l [mm]	E [mm]	A _f (m ²)	Weight [kg]	
80	*	98	10,0	3,5	0,003	0,10
100	*	123	19,5	2,5	0,006	0,13
125	*	149	19,5	2,5	0,009	0,18
150	*	173	19,5	2,5	0,013	0,23
160	*	183	19,0	3,0	0,015	0,27
200	*	223	19,0	3,0	0,024	0,47



Internal Valves

Supply Valves - Included



- Designed for wall or ceiling mounting.
- White as standard*

Extract Valves - Included



- Designed for wall or ceiling mounting.
- White as standard*

Designer Valves - AIRY - £POA



- Designed for wall or ceiling mounting.
- White as standard*

*Can be colour matched to desired RAL number - £POA

Steel Attenuator

Codes:

- SIL-LRCA 100 500
- SIL-LRCA 100 1000
- SIL-LRCA 125 500
- SIL-LRCA 125 1000
- SIL-LRCA 160 500
- SIL-LRCA 160 1000
- SIL-LRCA 200 500
- SIL-LRCA 200 1000

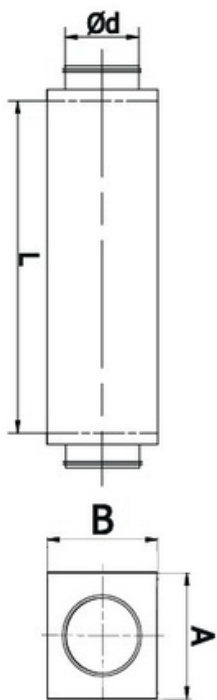


Product Information:

The silencers are made of a square duct for the outer cladding with an inner cladding of perforated sheet.

The clearance between the outer and inner cladding is filled with 50 mm thick sound-proofing mineral wool.

Dimensions:



Ød1 (mm)	A (mm)	B (mm)	L (mm)	Weight (kg)
100	210	160	500	2.55
100	210	160	1000	4.55
125	240	180	500	2.95
125	240	180	1000	5.15
160	270	220	500	3.70
160	270	220	1000	6.40
200	330	250	500	4.60
200	330	250	1000	8.90

Circular Grille

Codes:

- YGC 125
- YGC 160
- YGC 200



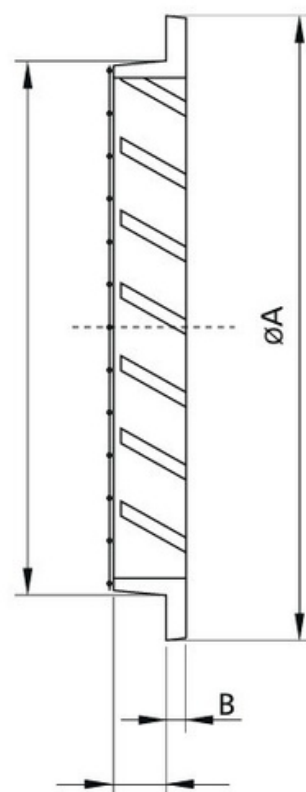
Product Information:

Circular grilles can be used as air intake vents in an air supply system or air exhaust vents at the end of an air exhaust system for all types and modes of ventilation.

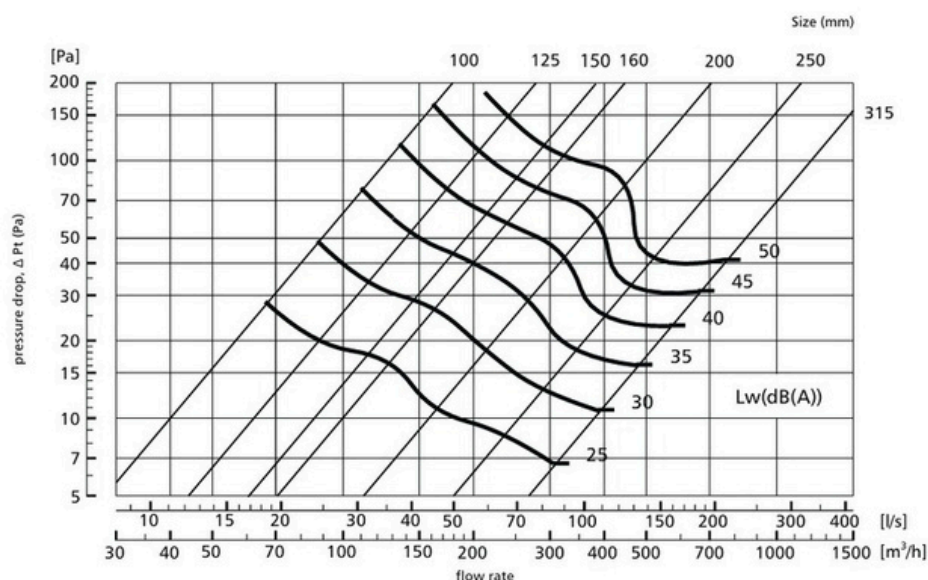
These vents feature on one side a 2 x 2 mesh of stainless steel wires having a diameter of 1 mm.

Ød1 (mm)	A (mm)	B (mm)	C (mm)	F (m2)	Weight (kg)
125	150	5.0	15	0.0068	0.27
160	185	5.0	15	0.0120	0.37
200	225	5.0	15	0.0200	0.65

Dimensions:



Technical Specifications:



Spectra Ducting - 50m

Codes: AIR 75, AIR 90

Product Information:

The Spectra ventilation ducts are used for air transfer in ventilation and recuperation systems in residential, public and industrial buildings.

Reaction to fire class: D-s2,d2 (PN-EN 13501-1:2019-02)

Compression strength: 500N (PN-EN 61386-24)

Impact resistance: N (PN-EN 61386-24)

Longitudinal stiffness: flexible ducts (3 x DN PN-EN 13180:2004)

Material: modified polyethylene (HDPE-mod.) approved for food contact

External layer: high impact strength and material resistance, UV stabilisation

Internal layer: antibacterial and antifungal properties, antistatic, smooth surface.



REACTION TO FIRE CLASS



HIGH IMPACT STRENGTH



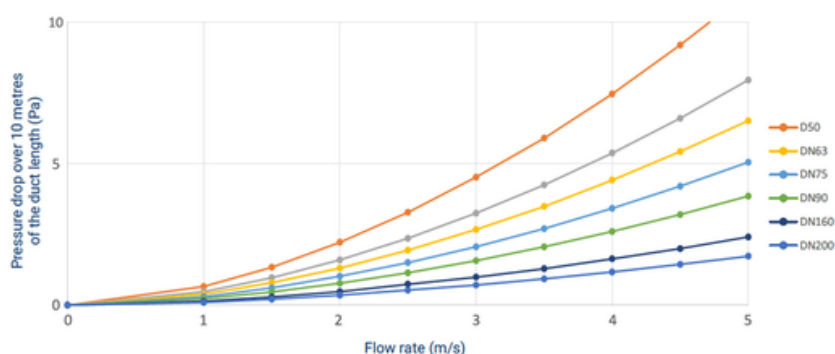
Ag, Cu, +



ANTIBACTERIAL, ANTIFUNGAL PROPERTIES



ANTISTATIC PRODUCT



Nominal dimension (mm)	Inner diameter (mm)	Outer diameter (mm)	Minimum bending radius (m)	Lengths of sections (m)
50	40	50.5	0.11	50
63	52	63.2	0.15	50
75	61	76.2	0.17	50
90	75	90.6	0.25	50
110	93	110.7	0.33	50
160	136	161	0.40	25/2
200	176	201.5	0.55	25/2

Air Velocity (m/s)						
0.5	1.0	1.5	2.0	3.0	4.0	5.0
2.3	4.5	6.8	9.0	13.6	18.1	22.6
3.9	7.8	11.7	15.6	23.4	31.2	39.0
5.3	10.5	15.8	21.0	31.6	42.1	52.6
7.8	15.7	23.5	31.4	47.1	62.8	78.5
12.2	24.5	36.7	48.9	73.4	97.8	122.3
26.1	52.3	78.4	104.6	156.9	209.2	261.5
44.0	88.1	132.1	176.2	264.2	352.3	440.4

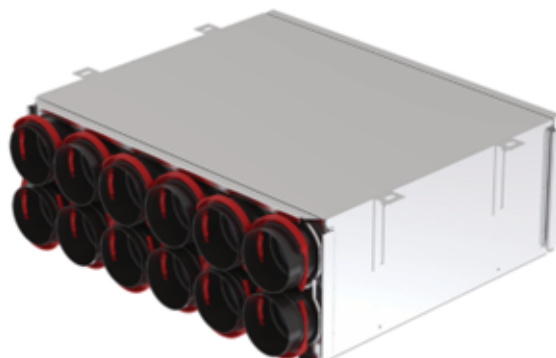
Semi-Rigid Air Distribution System

Our semi-rigid air distribution system is ductwork designed to distribute air for central mechanical ventilation systems with heat recovery used to ventilate residential and small commercial buildings.

The advantages at a glance

- Lower pressure loss than traditional systems
- Installation
 - A plastic duct on a roll is easy and quick to cut to length and bend around obstacles
 - Mechanical connections (i.e. no duct tape) means quick, clean and consistent quality of installation
- Quick, quality and consistent commissioning using the configuration tool and airflow
- restrictor rings
- Insulation in air distribution boxes reduces noise transfer to and between rooms
- Easy and quick maintenance
- Mix and match duct types
- Low duct height for in-wall and/or screed floor application
- No migration of harmful substances

AirBox Range:



Spectra AirBox - Side Inlet

Codes: AIRBOX INLET 125-6x75, AIRBOX INLET 160-10x75, AIRBOX INLET 160-14x75, AIRBOX INLET 160-14x90, AIRBOX INLET 160-6x75, AirBox 160-10x90, AirBox 160-6x90

Product Information:

The AIRBOX VCB distribution box allows the connection of up to 14 Ø75-90 ventilation ducts.

As with the other distribution boxes in the VCB series, unused spigots can be covered with plugs with gaskets included with the product. The box is characterised by a side connection with a diameter of Ø160 mm.

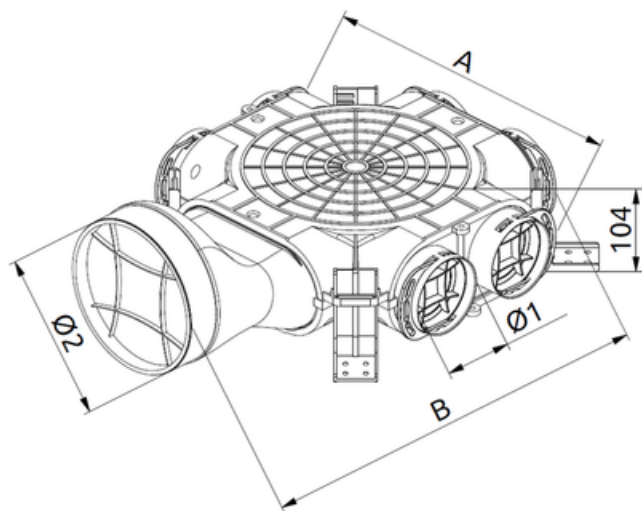
Distribution boxes with side connections are ideal for installation above suspended ceilings and wherever installation height is limited.

The suitably profiled shape of the AIRBOX boxes allows for a quiet air flow, while ensuring low pressure loss.

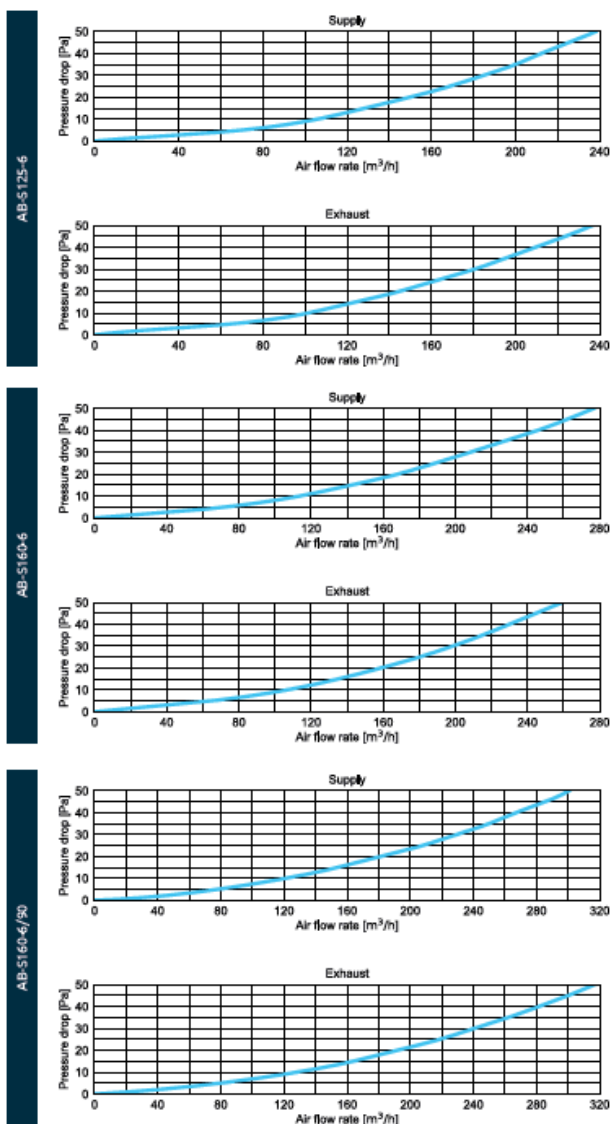
AIRBOX boxes are a well-thought-out design for long-term use, thanks to their structure and the use of high-quality plastics and bacteriostatic additives.

Dimensions

	Ø1	Ø2	A	B	W
AB-S125-6	125	75	347	445	104
AB-S160-6	160	75	347	475	104
AB-S160-6/90	160	90	407	505	104



Air Flow Characteristics



Spectra AirBox - 12 Port

Code: SPECTRA 160-12x75, SPECTRA 200-12x75, SPECTRA 200-12x90

Product Information:

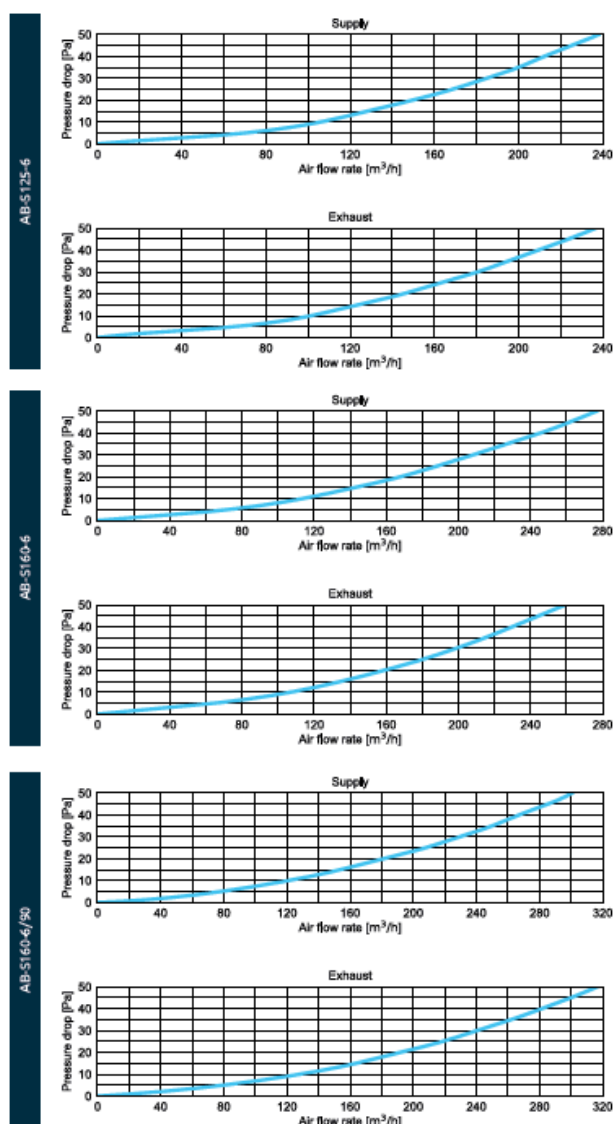
The AIRBOX AB-S200-16 distribution box enables the connection of up to 16 Ø75-90 mm ventilation ducts.

Ducts not in use can be closed with the supplied end caps. The box is available with a connector to the air handling unit with a diameter of Ø200 mm.

AIRBOX boxes are a well-thought-out design ensuring their use for many years. Thanks to their design and the use of high-quality plastics and bactericidal additives, they meet the expectations of the most demanding users. The range of available distribution boxes has been carefully planned to allow for their use in most typical mechanical ventilation systems.

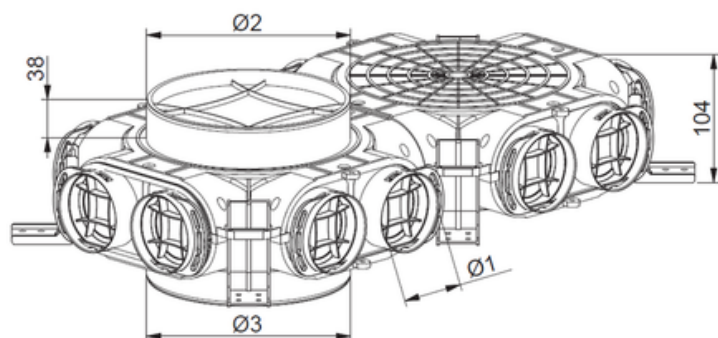


Air Flow Characteristics



Dimensions

	Ø1	Ø2	A	B	W	Z
AB-S160-12	160	75	347	639	104	38
AB-S200-12	200	75	347	639	104	38
AB-S200-12/90	200	90	407	697	104	38



Spectra AirBox - 16 Port

Code: SPECTRA 200-16x75, SPECTRA 200-16x90

Product Information:

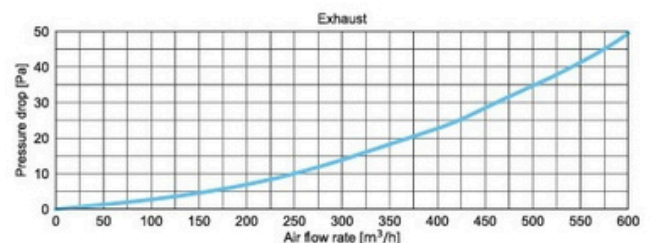
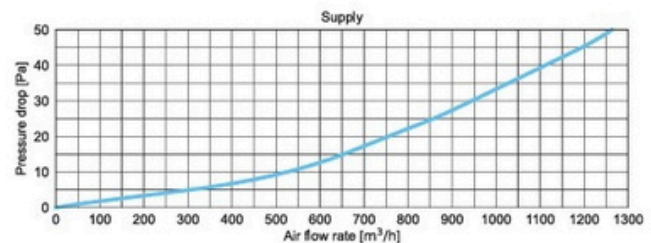
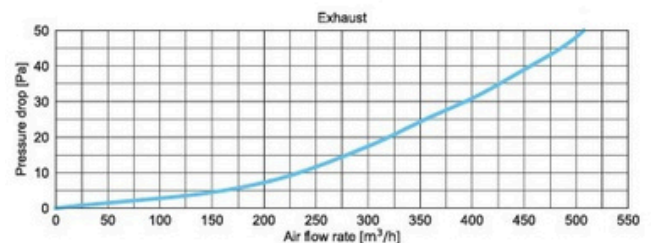
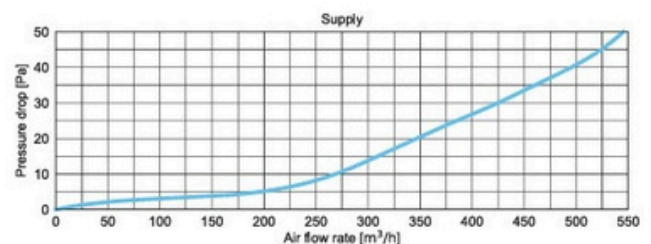
The AIRBOX AB-S200-16 distribution box enables the connection of up to 16 Ø75-90 mm ventilation ducts.

Ducts not in use can be closed with the supplied end caps. The box is available with a connector to the air handling unit with a diameter of Ø200 mm.

AIRBOX boxes are a well-thought-out design ensuring their use for many years. Thanks to their design and the use of high-quality plastics and bactericidal additives, they meet the expectations of the most demanding users. The range of available distribution boxes has been carefully planned to allow for their use in most typical mechanical ventilation systems.

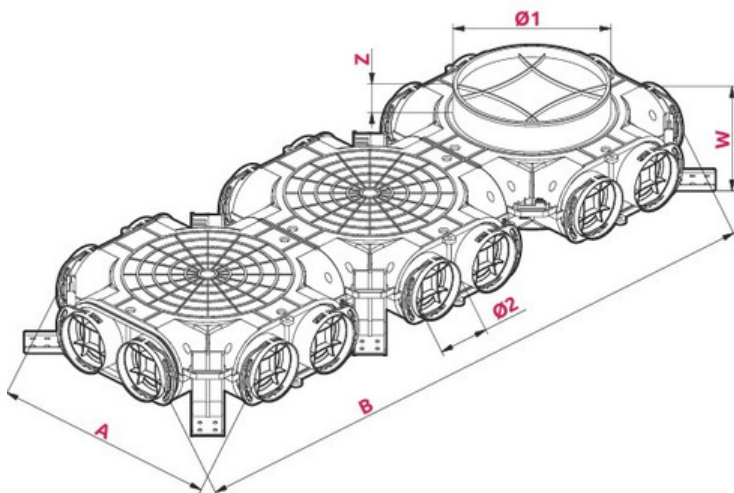


Air Flow Characteristics



Dimensions

	Ø1	Ø2	A	B	W	Z
AB-S200-16	200	75	347	927	104	38
AB-S200-16/90	200	90	407	988	104	38



Plenum Spectra

Codes: AIR-VA90, AIR-VA75

Product Information:

The AIRBOX VPB125-3 plenum box is used to connect three flexible air ducts to the distribution boxes. Thanks to the possibility of supplying up to three ducts, it is recommended for mounting air valves in rooms requiring intensive ventilation, e.g. or toilet. The high air flow efficiency of the VPB125-3 box makes it possible to achieve increased ventilation parameters without having to drill additional holes in the ceiling.

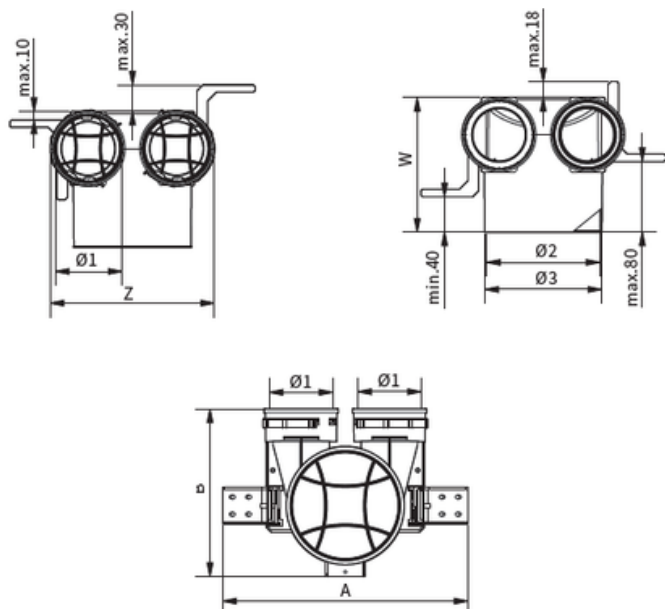
AIRBOX plenum boxes are made of durable ABS. The robust structure guarantees failure-free operation for many years and thanks to the use of a bacteriostatic additive the product has obtained a very high level of bacteriostatic activity. The design of the plenum box allows it to be mounted on different surfaces and in different planes.

Suitable for installations in the floor, walls or ceilings made of concrete or plasterboard.

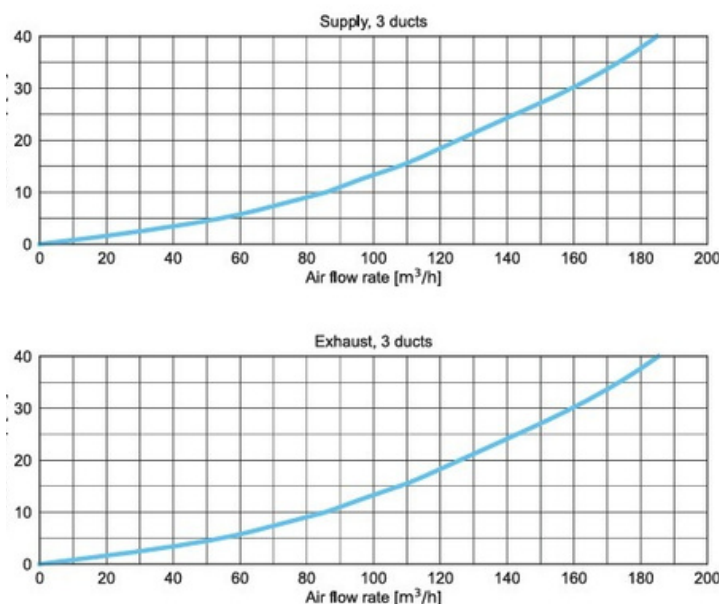


Dimensions

	Ø1	Ø2	Ø3	A	B	Z	W
AIR-VA75	75	128	134	277	189	186	152
AIR-VA90	90	128	134	288	202	200	158



Air Flow Characteristics



Ceiling Plenum Spectra

Code: AIR-VAST75

Product Information:

The AIRBOX VPC ceiling plenum box (horizontal) is an ultra-lightweight solution for use between a suspended ceiling, a ceiling or wall, and in other confined space locations. Mounting of the box to the surface can be additionally reinforced with a typical bracket. The box allows for connecting a maximum of two Ø75 mm ventilation ducts to a supply or exhaust air valve.

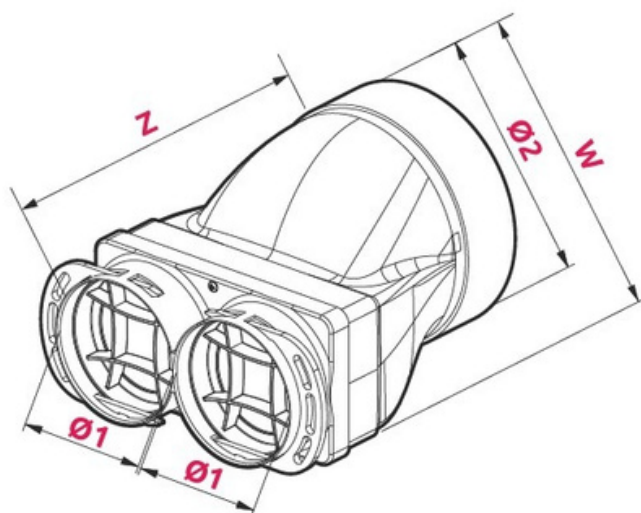
AIRBOX plenum boxes are made of durable ABS. The robust structure guarantees failure-free operation for many years and thanks to the use of a bacteriostatic additive the product has obtained a very high level of bacteriostatic activity. The design of the plenum box allows it to be mounted on different surfaces and in different planes.

Suitable for installations in the floor, walls or ceilings made of concrete or plasterboard.

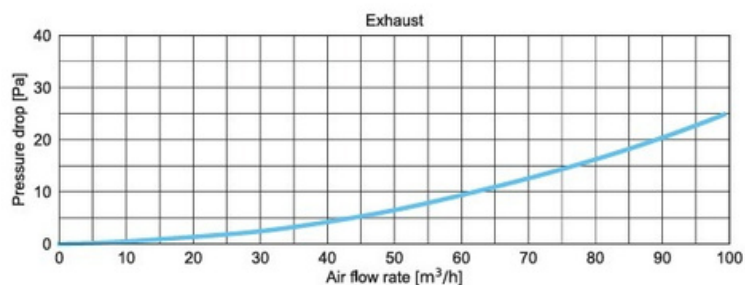
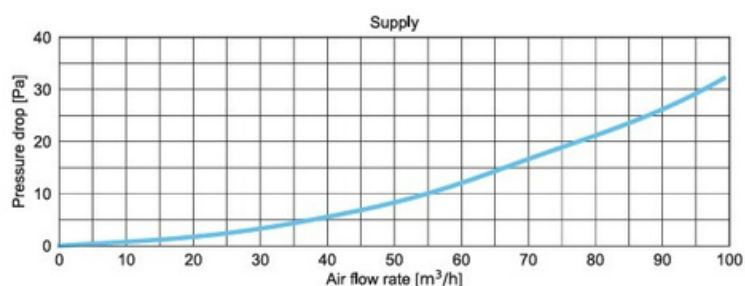


Dimensions

	Ø1	Ø2	Z	W
VPC125-2	75	128	194	134



Air Flow Characteristics



Plenum Spectra

Code: AIR-VA75x3

Product Information:

The AIRBOX VPB125-3 plenum box is used to connect three flexible air ducts to the distribution boxes. Thanks to the possibility of supplying up to three ducts, it is recommended for mounting air valves in rooms requiring intensive ventilation, e.g. or toilet. The high air flow efficiency of the VPB125-3 box makes it possible to achieve increased ventilation parameters without having to drill additional holes in the ceiling.

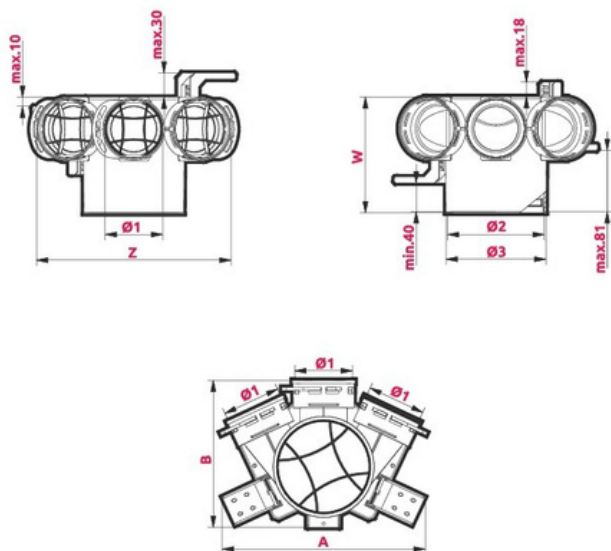
AIRBOX plenum boxes are made of durable ABS. The robust structure guarantees failure-free operation for many years and thanks to the use of a bacteriostatic additive the product has obtained a very high level of bacteriostatic activity. The design of the plenum box allows it to be mounted on different surfaces and in different planes.

Suitable for installations in the floor, walls or ceilings made of concrete or plasterboard.

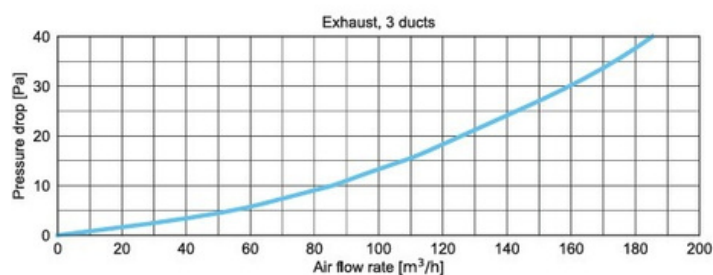
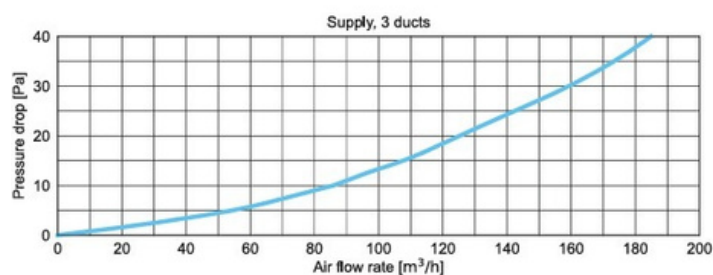


Dimensions

	Ø1	Ø2	Ø3	A	B	Z	W
VPB125-3	75	128	134	268	195	257	152



Air Flow Characteristics



Zehnder ComfoWell Attenuator CW-S 320

Modular manifold for use with semi-rigid ductwork

The Zehnder ComfoWell 320 is a modular system consisting of attenuators, fine grade filters and active carbon filters all integrated for use with a rigid or semi-rigid ductwork approach. With a width of 320 mm it can be used for connecting up to 6 ComfoTube connections. The systems compact dimensions ensure good sound absorption and also make it easy to clean. Rigid pipe can be connected to the end plate securely by utilising the gasket seal connection. All other components are fitted using the RapidLock® connections to quickly form an air tight and robust seal by simply push-fitting the semi-rigid ductwork.

Noise reduction can be improved by combining two attenuators together. Filters are available in ISO ePM1 (F9) grade in addition to an odour neutralising active carbon filter.



Technical Specification

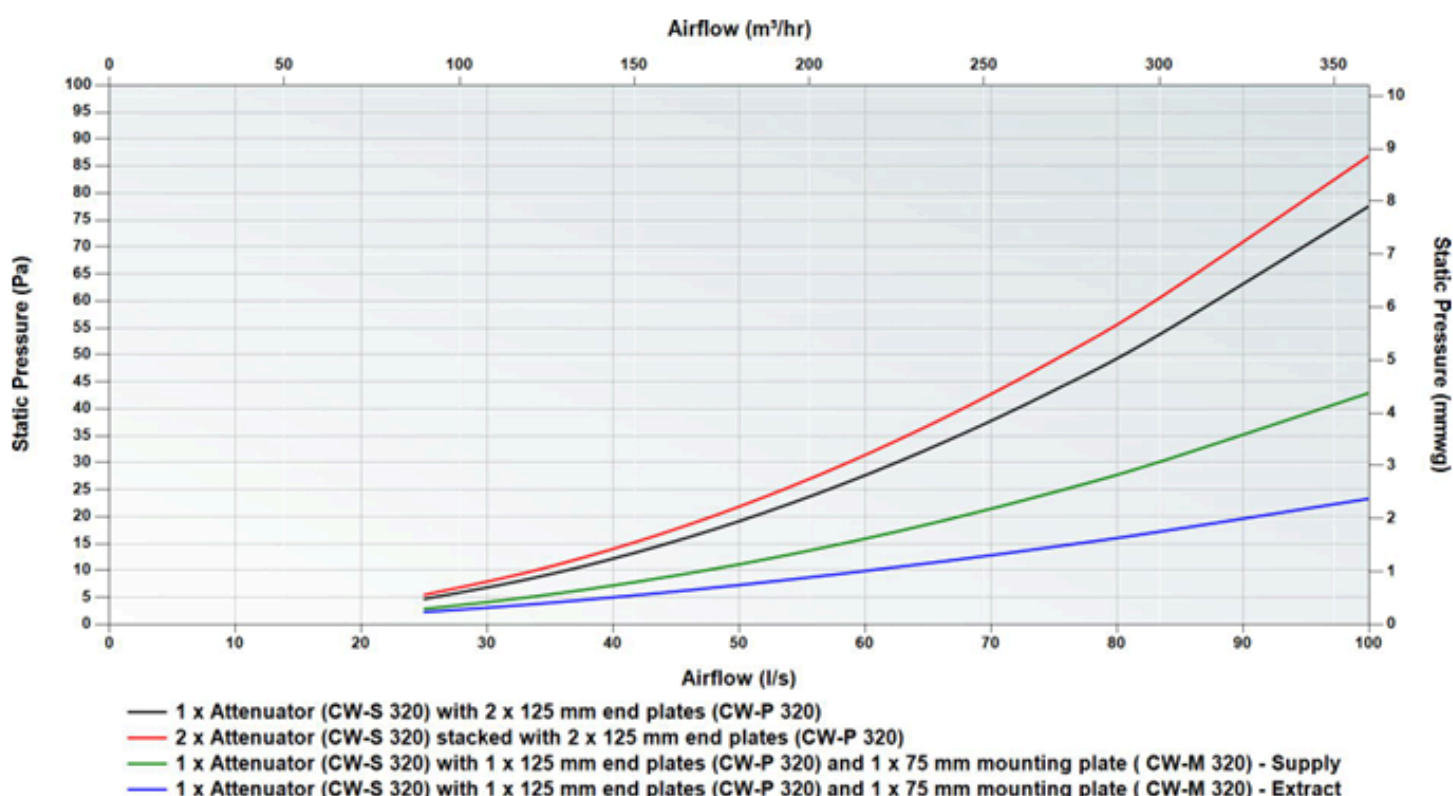
Housing	Galvanised sheet steel
Inner lining	Closed-cell melamine resin foam
Mounting Plates	High-density polyethylene (HDPE)
Operating temperature range	-25 to +60°C
Recommended maximum air volume	66.6 l/s (240 m³/h) at normal ventilation level
Air tightness class to EN 1507:2006	B
Air tightness class to EN 12237:2003	B
Fire rating to EN 13501-1	C

Sound Data

Combination	Octave Band (Hz) Insertion Loss, dB							
	63	125	250	500	1000	2000	4000	8000
1 x Attenuator (CW-S 320) with 2 x 125 mm end plates (CW-P 320)	9.5	8.1	12.7	12	12	26.6	28.4	24
2 x Attenuator (CW-S 320) stacked with 2 x 125 mm end plates (CW-P 320)	14	13.1	23.7	21.3	26.7	40.2	41.4	35.6
1 x Attenuator (CW-S 320) with 1 x 125 mm end plates (CW-P 320) and 1 x 75 mm mounting plate (CW-M 320)	26.8	6.6	23.7	19.3	21.6	33.7	41.1	33.9

Acoustic performance measured according to EN ISO 7235 (pink noise)

Pressure Curve



Zehnder ComfoWell Attenuator CW-S 420

Modular manifold for use with semi-rigid ductwork

The Zehnder ComfoWell 420 is a modular system consisting of attenuators, fine grade filters and active carbon filters all integrated for use with a rigid or semi-rigid ductwork approach. With a width of 420 mm it can be used for connecting up to 8 ComfoTube connections. The systems compact dimensions ensure good sound absorption and also make it easy to clean. Rigid pipe can be connected to the end plate securely by utilising the gasket seal connection. All other components are fitted using the RapidLock® connections to quickly form an air tight and robust seal by simply push-fitting the semi-rigid ductwork.

Noise reduction can be improved by combining two attenuators together. Filters are available in ISO ePM1 (F9) grade in addition to an odour neutralising active carbon filter.



Technical Specification

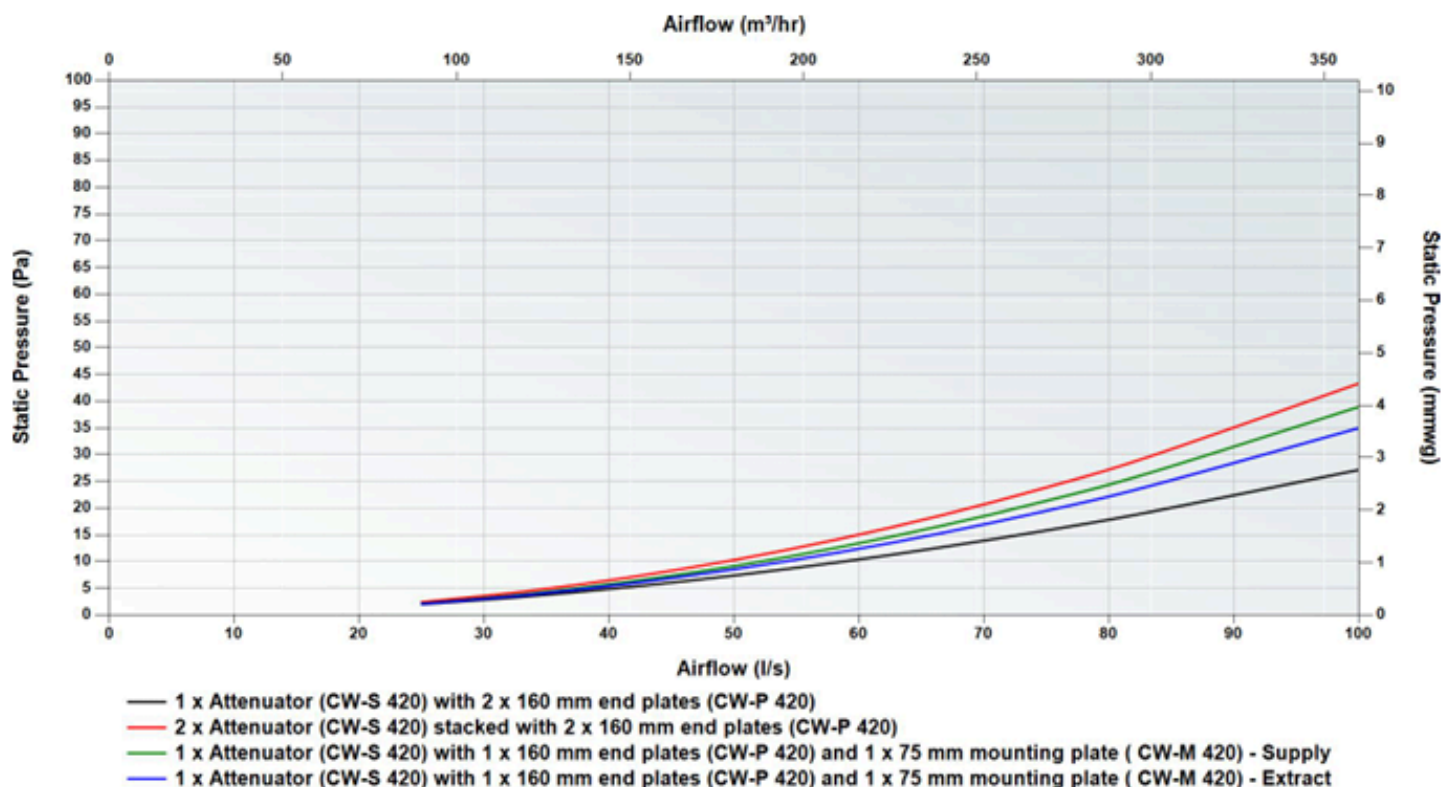
Housing	Galvanised sheet steel
Inner lining	Closed-cell melamine resin foam
Mounting Plates	High-density polyethylene (HDPE)
Operating temperature range	-25 to +60°C
Recommended maximum air volume	88.8 l/s (320 m³/h) at normal ventilation level
Air tightness class to EN 1507:2006	C
Air tightness class to EN 12237:2003	C
Fire rating to EN 13501-1	C

Sound Data

Combination	Octave Band (Hz) Insertion Loss, dB							
	63	125	250	500	1000	2000	4000	8000
1 x Attenuator (CW-S 420) with 2 x 160 mm end plates (CW-P 420)	8.2	5.7	8.3	12.9	12.2	14	11.2	11.6
2 x Attenuator (CW-S 420) stacked with 2 x 160 mm end plates (CW-P 420)	7.2	10	16.8	23.9	17.6	28.1	21.2	20.8
1 x Attenuator (CW-S 420) with 1 x 160 mm end plates (CW-P 420) and 1 x 75 mm mounting plate (CW-M 420)	24	7.1	14.8	26.7	24.8	24.6	24.5	21.7

Acoustic performance measured according to EN ISO 7235 (pink noise)

Pressure Curve



Zehnder ComfoWell Attenuator CW-S 520

Modular manifold for use with semi-rigid ductwork

The Zehnder ComfoWell 520 is a modular system consisting of attenuators, fine grade filters and active carbon filters all integrated for use with a rigid or semi-rigid ductwork approach. With a width of 520 mm it can be used for connecting up to 10 ComfoTube connections. The systems compact dimensions ensure good sound absorption and also make it easy to clean. Rigid pipe can be connected to the end plate securely by utilising the gasket seal connection. All other components are fitted using the RapidLock® connections to quickly form an air tight and robust seal by simply push-fitting the semi-rigid ductwork.

Noise reduction can be improved by combining two attenuators together. Filters are available in ISO ePM1 (F9) grade in addition to an odour neutralising active carbon filter.



Technical Specification

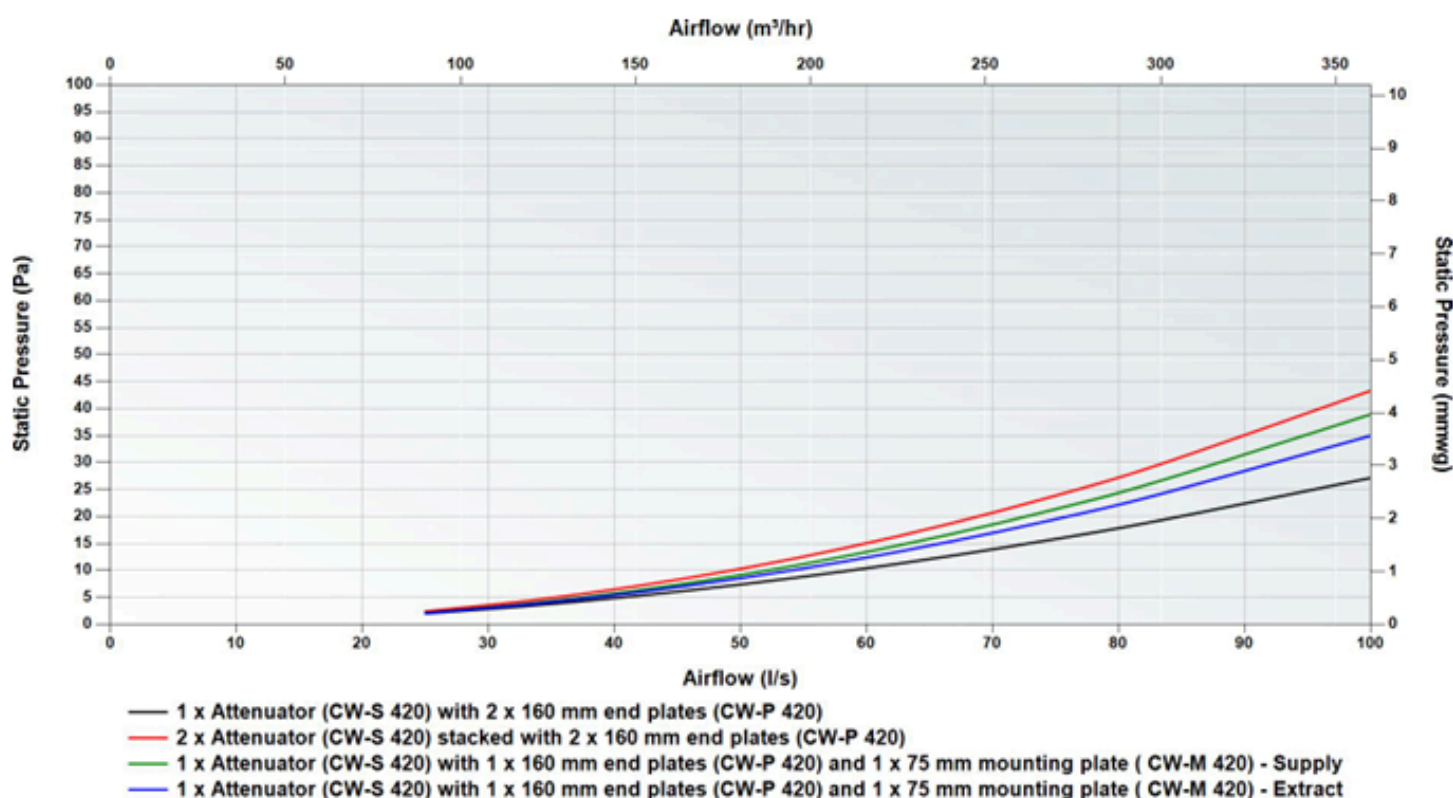
Housing	Galvanised sheet steel
Inner lining	Closed-cell melamine resin foam
Mounting Plates	High-density polyethylene (HDPE)
Operating temperature range	-25 to +60°C
Recommended maximum air volume	88.8 l/s (320 m³/h) at normal ventilation level
Air tightness class to EN 1507:2006	C
Air tightness class to EN 12237:2003	C
Fire rating to EN 13501-1	C

Sound Data

Combination	Octave Band (Hz) Insertion Loss, dB						
	63	125	250	500	1000	2000	4000
1 x Attenuator (CW-S 420) with 2 x 160 mm end plates (CW-P 420)	8.2	5.7	8.3	12.9	12.2	14	11.2
2 x Attenuator (CW-S 420) stacked with 2 x 160 mm end plates (CW-P 420)	7.2	10	16.8	23.9	17.6	28.1	21.2
1 x Attenuator (CW-S 420) with 1 x 160 mm end plates (CW-P 420) and 1 x 75 mm mounting plate (CW-M 420)	24	7.1	14.8	26.7	24.8	24.6	24.5

Acoustic performance measured according to EN ISO 7235 (pink noise)

Pressure Curve



Zehnder ComfoWell CW-S 625

The Zehnder ComfoWell 625 is a modular system consisting of attenuators, fine grade filters and active carbon filters all integrated for use with a rigid or semi-rigid ductwork approach.

With a width of 625 mm it can be used for connecting up to 12 connections.

The systems compact dimensions ensure good sound absorption and also make it easy to clean.

Rigid pipe can be connected to the end plate securely by utilising the gasket seal connection. All other components are fitted using the RapidLock® connections to quickly form an air tight and robust seal by simply push-fitting the semi-rigid ductwork.

Filters are available in ISO ePM1 (F9) grade in addition to an odour neutralising active carbon filter.



Technical Specification

Housing	Galvanised sheet steel
Inner lining	Closed-cell melamine resin foam
Mounting Plates	High-density polyethylene (HDPE)
Operating temperature range	-25 to +60°C
Recommended maximum air volume	133.3 l/s (480 m³/h) at normal ventilation level
Air tightness class to EN 1507:2006	C
Air tightness class to EN 12237:2003	C
Fire rating to EN 13501-1	C

Sound Data

Combination	Octave Band (Hz) Insertion Loss, dB							
	63	125	250	500	1000	2000	4000	8000
1 x Attenuator (CW-S 625) with 2 x 180 mm end plates (CW-P 625)	8.5	4.1	9	16.3	11.9	12.5	10.1	8.2
2 x Attenuator (CW-S 625) stacked with 2 x 180 mm end plates (CW-P 625)	8	9.7	16.6	19.9	18.7	22.5	17.3	16.1
1 x Attenuator (CW-S 625) with 1 x 200 mm end plates (CW-P 625) and 1 x 75 mm mounting plate (CW-M 625)	18.6	10.7	19.2	27.3	23	24	19.3	18

Acoustic performance measured according to EN ISO 7235 (pink noise)

Pressure Curve

