



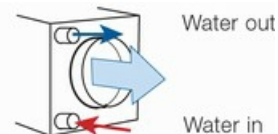
VBF 160 WATER HEATING BATTERY

Item no. 1731

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Description

Water-heating battery with integral EU5 bag filter for heating air in ventilation systems with circular ducts. Casing from galvanised sheet steel, with copper tubes and aluminium fins. Inspection cover which facilitates cleaning and replacing the filter.



The water-heating battery must be installed in a horizontal duct. The bag filter must always be fitted vertically. The VBF is fitted with connections for connecting to a filter monitor.

The Systemair fan selection programme includes a special selection programme for water-heating batteries. The recommended final pressure drop is 200 Pa.

Accessories

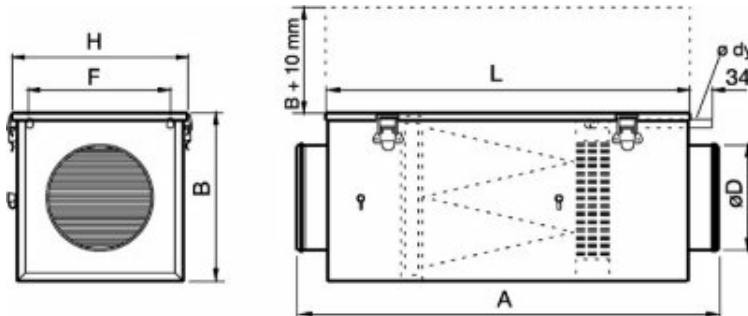
Electric accessories

- [AQUA 24TF Heat Regulator \(5136\)](#)
- [P 233 A Pressure sensor \(5140\)](#)
- [TG-A130 Surface sensor 0-30°C \(5159\)](#)
- [TG-K330 Duct Sensor 0-30°C \(5160\)](#)
- [RVAZ4-24 Actuator 3points \(9798\)](#)
- [ZTV 15-0,4 2-way valve \(9829\)](#)
- [RVAZ4 24A Actuator 0-10V \(9862\)](#)

Accessories

- [BFR 200 Filter Coarse 70% \(5240\)](#)

Dimensions



	øD	A	B	H	L	ødy	F	
VBF 100	100	665	254	266	599	22	213	8 kg
VBF 125	125	665	254	266	599	22	213	8 kg
VBF 160	160	665	254	266	599	22	213	8 kg
VBF 200	200	665	254	266	599	22	213	8 kg
VBF 250	250	795	354	366	699	22	313	12 kg
VBF 315	315	895	454	466	799	22	413	17 kg
VBF 355	355	920	454	466	799	22	413	17 kg
VBF 400	400	920	454	466	799	22	413	17 kg

Documentation

- [VBF_A001_.pdf \(420,03kB\)](#)
- [Conformity decl.VBK_VBF_97_23_CE_with_id_code.pdf \(72,16kB\)](#)

Get In Touch

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Our Address

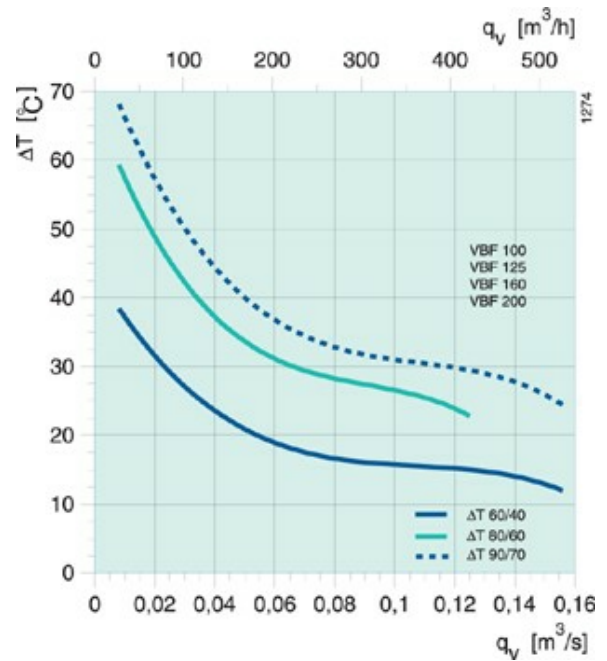
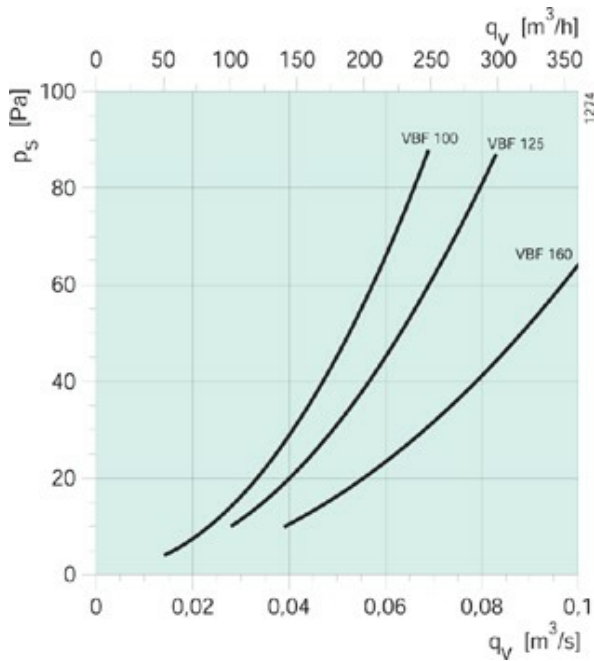
Puravent, Adremit Limited, Unit 5a, Commercial Yard, Settle, North Yorkshire, BD24 9RH



Coil calculation

	VBF 100	VBF 125	VBF 160	VBF 200	VBF 250	VBF 315	VBF 355/400
Air flow (m ³ /s)	0.04	0.05	0.12	0.16	0.17	0.28	0.44
Air velocity (m/s)	1.2	1.6	3.5	4.6	1.8	1.7	2.7
ΔT air at T water 60/40, °C	23.3	20.9	14.3	12.6	25.9	26.2	21.5
Water flow rate (l/s)	0.01	0.02	0.03	0.03	0.06	0.11	0.14
Water speed (m/s)	0.1	0.1	0.2	0.2	0.5	0.4	0.5
Pressure drop (kPa)	0.1	0.2	0.4	0.5	3.5	1.6	2.6
Power (kW)	1.17	1.35	2.1	2.4	5.31	8.82	11.67
ΔT air at T water 90/70, °C	44	39.9	28.2	25	44.3	44.9	37.2
Water flow rate (l/s)	0.03	0.03	0.03	0.06	0.11	0.18	0.24
Water speed (m/s)	0.2	0.2	0.4	0.4	0.8	0.7	0.9
Pressure drop (kPa)	0.4	0.5	1.2	1.6	8.1	3.7	6.3
Power (kW)	0.4	0.5	1.2	1.6	8.1	3.7	6.3
Filter media	2.2	2.58	4.13	4.76	8.97	15.11	20.18
	EU5	EU5	EU5	EU5	EU5	EU5	EU5

Diagram



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