



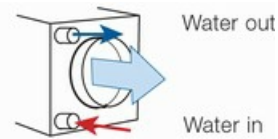
VBF 200 WATER HEATING BATTERY

Item no. 1732

Document type: **Product card**
 Document date: **2019-05-15**
 Generated by: **Systemair Online Catalogue**

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

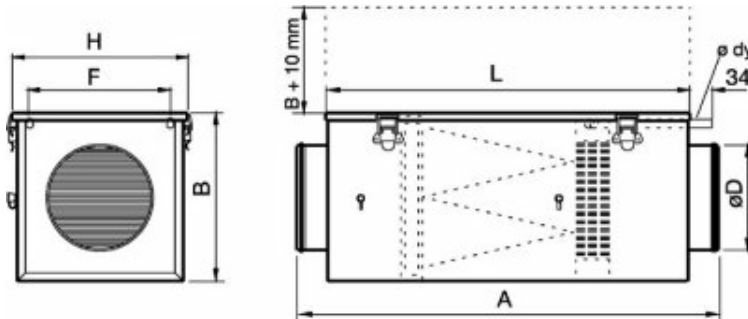
Electric accessories

- [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

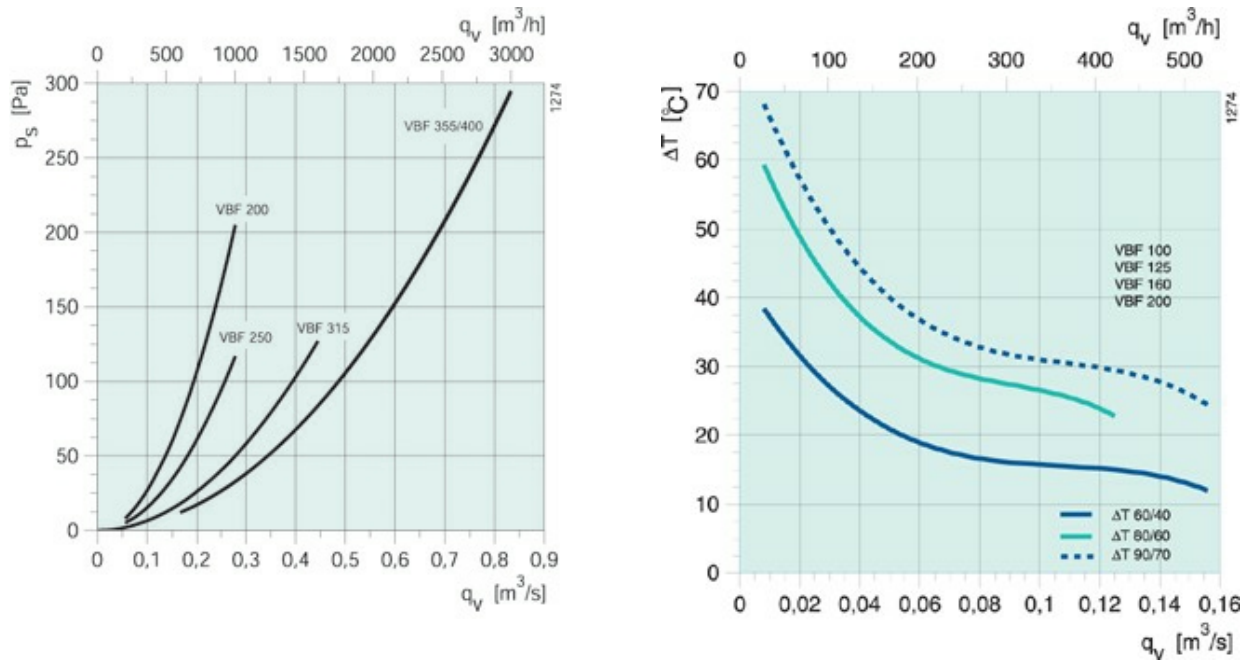
Puravent, Adremit Limited, Unit 5a, Commercial Yard,
 Settle, North Yorkshire, BD24 9RH



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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