

WHITE LINE • DELFIN • FIXED MACHINE MOUNTING

Delfin DBFV 05/10

Vertical dust extraction unit with bag filtration for direct mounting on production machines and OEM lines. Maintenance-free blower motor for continuous 24/7 operation. Complete steel construction. IP65.

- Maintenance-free side-channel blower — no carbon brushes, no service downtime
- Continuous 24/7 operation — designed for production line dust extraction
- Compact vertical design — fits tight machine layouts without bulk
- IP65 protection — sealed against dust and water spray from all angles
- Two power levels: DBFV 05 (0.4 kW) and DBFV 10 (0.85 kW)
- Complete steel construction — optional AISI 304 stainless steel



Delfin DBFV 05 vertical dust extraction unit for direct machine mounting

CE — Machinery Directive 2006/42/EC · EN 60335-2-69 · IP65 · Continuous 24/7 operation · H14 absolute filter available

Quick facts	
Motor type	Side-channel blower
Operation	Continuous 24/7
Power	0.4 / 0.85 kW
Airflow	100 / 150 m³/h
Vacuum	1,500 / 2,000 mmH ₂ O
Noise	65 / 69 dB(A)
Capacity	15 L
IP rating	IP65
Weight	30 / 35 kg
Mounting	Fixed to machine

What is Delfin DBFV 05/10?

Delfin DBFV 05/10 is a compact, vertical dust extraction unit engineered for direct mounting on production machines and integrable OEM lines. The maintenance-free side-channel blower is designed for continuous 24/7 operation, and the compact vertical construction makes it easy to integrate into even the tightest machine layouts. Dust collection uses a disposable bag with Polyester M PTFE media, with two power levels available: DBFV 05 (0.4 kW, 100 m³/h) and DBFV 10 (0.85 kW, 150 m³/h).

The construction is complete steel, and IP65 rating ensures full protection against dust ingress and water spray from any direction. The integrated relief valve protects the motor from overload if the suction inlet becomes blocked during operation. The unit is highly modular and can be customized for specific OEM requirements — from filter upgrade to complete AISI 304 stainless steel construction.

Two models, one design: DBFV 05 and DBFV 10 share identical external dimensions and footprint (50 × 33 × 73 cm), but differ in motor performance. Choose DBFV 05 for lighter extraction tasks and DBFV 10 when your process demands

higher airflow or vacuum.

Technical specifications

Parameter	DBFV 05	DBFV 10
Voltage	400 V, 50 Hz, 3-phase	400 V, 50 Hz, 3-phase
Power / current	0.4 kW / 1.8 A	0.85 kW / 0.75 A
IP rating	IP65	IP65
Relief valve	Included	Included
Vacuum max	1,500 mmH ₂ O	2,000 mmH ₂ O
Vacuum continuous	1,200 mmH ₂ O	1,400 mmH ₂ O
Airflow max	100 m ³ /h	150 m ³ /h
Suction inlet	Ø50 mm	Ø50 mm
Capacity	15 L	15 L
Filter bag included	1	1
Noise level (EN ISO 3744)	65 dB(A)	69 dB(A)
Dimensions (L×W×H)	50 × 33 × 73 cm	50 × 33 × 73 cm
Weight	30 kg	35 kg
Motor type	Side-channel blower — maintenance-free	
Operation	Continuous 24/7	
Construction	Complete steel	
Primary filter	Disposable bag — Polyester M PTFE (IEC 60335-2-69)	

CE marking based on: EN 60335-2-69 • IEC 60335-2-69 • Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU

Options and accessories

DBFV 05/10 can be configured with multiple options to match specific environmental requirements — from H14 absolute filtration to complete stainless steel construction.

- **H14 absolute filter cartridge (HEPA)** — mounts downstream of the bag filter
- **Stainless steel collection tank** — AISI 304 for demanding environments
- **Full AISI 304 stainless steel construction** — both filter chamber and tank in stainless steel
- **Electrostatic grounding kit** — ESD protection against static buildup
- **Single-phase 230 V motor** — DBFV 05 only (optional)
- **Replacement filter bag pack (5-pack)** — Polyester M PTFE consumable

CONTACT

Particulair — Life Science Hub

Nordic specialist in industrial vacuum for pharma & life science

Højtoften 12, 2690 Karlslunde, Denmark

Tel: +45 70 23 12 03 · sales@particulair.com · particulair.eu/life-science/