

WHITE LINE • DELFIN • STATIONARY MACHINE MOUNTING

Delfin DBFV 20/30

Vertical dust collection unit with star/pocket filter and manual cleaning for direct mounting on production machines. Pressure relief valve included. Robust steel construction with stainless steel AISI 304 as option. IP65.

- Star/pocket filter with manual cleaning — maintenance-free operation
- Pressure relief valve included — protected from overload and clogging
- Vertical construction — compact footprint in production facilities
- IP65 — fully protected against dust and water spray from all directions
- Two performance levels: DBFV 20 (270 m³/h) and DBFV 30 (318 m³/h)
- Robust steel or stainless steel AISI 304 — tailored for pharmaceutical and cleanroom use



Delfin DBFV 20 vertical dust collection unit for direct mounting on production machines

CE — Machinery Directive 2006/42/EC · EN 60335-2-69 · IP65 · Pressure relief valve as standard · H14 absolute filter as option

Quick Facts	
Filter Type	Star/pocket filter
Cleaning	Manual — energy-free
Power	2.2 kW (both models)
Airflow	270 / 318 m³/h
Max Water Lift	3,000 / 2,600 mmH ₂ O
Noise	69 / 70 dB(A)
Tank Capacity	25 L
IP Rating	IP65
Weight	45 / 60 kg
Installation	Stationary (vertical)

What is Delfin DBFV 20/30?

Delfin DBFV 20/30 is a stationary, vertical dust collection unit designed for direct mounting on production machines and manufacturing lines. The robust steel construction and large star/pocket filter make the unit ideal for heavy-duty and continuous dust collection tasks. Filter cleaning is manual and energy-free, performed daily or as needed by applying short bursts of air or back-flush through the filter. The DBFV series is available in two performance levels: DBFV 20 (2.2 kW, 270 m³/h, 3,000 mmH₂O max) and DBFV 30 (2.2 kW, 318 m³/h, 2,600 mmH₂O max).

The pressure relief valve is always included and protects the system from overload if the filter becomes too clogged. The IP65 rating ensures full protection against dust penetration and water spray from all directions. The unit is highly modular and can be supplied in stainless steel (AISI 304) for pharmaceutical and cleanroom environments, and it can be equipped with ESD grounding connection for electrostatic protection.

Two models — one design: DBFV 20 and DBFV 30 share the same vertical construction and footprint (54 × 55 × 103 cm), but differ in motor power and water lift capacity. Choose DBFV 20 for processes requiring high vacuum and DBFV 30 for higher airflow demands.

Technical Specifications

Parameter	DBFV 20	DBFV 30
Voltage	400 V, 50 Hz, 3-phase	400 V, 50 Hz, 3-phase
Power / Current	2.2 kW / 4.6 A	2.2 kW / 4.6 A
IP Rating	IP65	IP65
Pressure Relief Valve	Included	Included
Max Water Lift	3,000 mmH ₂ O	2,600 mmH ₂ O
Continuous Water Lift	2,200 mmH ₂ O	1,900 mmH ₂ O
Max Airflow	270 m ³ /h	318 m ³ /h
Suction Inlet	Ø50 mm	Ø50 mm
Tank Capacity	25 L	25 L
Noise Level (EN ISO 3744)	69 dB(A)	70 dB(A)
Dimensions (L×W×H)	54 × 55 × 103 cm	54 × 55 × 103 cm
Weight	45 kg	60 kg
Construction	Robust steel; stainless steel AISI 304 as option	
Filter Type	Star/pocket filter — Polyester ANT M with manual cleaning	
Filter Surface	8,000 cm ² × 360 mm	
Primary Filtration Principle	Star/pocket filter — manual cleaning	

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

DBFV 20/30 can be configured with a range of options that adapt the unit to specific environmental requirements — from H14 absolute filtration to full stainless steel construction and ESD protection.

- **H14 absolute filter cartridge (HEPA)** — installed as secondary filter after the star/pocket filter
- **Stainless steel collection tank** — AISI 304 for pharmaceutical environments
- **Full AISI 304 construction** — both filter chamber and tank in stainless steel
- **ESD grounding connection** — electrostatic protection against static charge buildup
- **Chassis with wheels** — 4 wheels and push handle for easy relocation
- **Filter bag set** — available as consumable when needed

CONTACT

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