

WHITE LINE • DELFIN • STATIONARY MACHINE MOUNTING

Delfin DBF 20/30

Stationary dust extraction unit with star filter and manual filter cleaning for direct mounting on production machinery and OEM lines. Maintenance-free blower for continuous 24/7 operation. Full steel construction. IP65.

- Maintenance-free side-channel blower — no brushes, no scheduled service
- Star filter with manual cleaning — lower operating costs
- Continuous 24/7 operation — engineered for relentless production dust control
- IP65 — protected against dust and water jets from all directions
- Two power tiers: DBF 20 (270 m³/h) and DBF 30 (318 m³/h)
- Full steel construction — stainless steel AISI 304 as option



Delfin DBF 20 stationary dust extraction unit with star filter for machine mounting

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

Quick Facts	
Motor Type	Side-channel blower
Operation	Continuous 24/7
Power	2.2 kW
Airflow	270 / 318 m³/h
Vacuum	3,000 / 2,600 mmH ₂ O
Noise	70 / 71 dB(A)
Capacity	25 L
IP Rating	IP65
Weight	40 / 45 kg
Mounting	Stationary

What is the Delfin DBF 20/30?

The Delfin DBF 20/30 is a stationary dust extraction unit engineered for direct mounting on production machinery and integrable OEM lines. It sets itself apart from the smaller DBF 05/10 series by delivering substantially higher airflow (up to 318 m³/h) and vacuum (up to 3,000 mmH₂O), plus a star filter system with manual cleaning that reduces operating costs with frequent use.

The maintenance-free side-channel blower is sized for continuous 24/7 operation without scheduled service intervals. The construction is full steel with IP65 rating, and the unit is highly modular — it can be customized to specific OEM requirements from filter upgrades to full AISI 304 construction.

Two models — identical power, different performance balance: DBF 20 and DBF 30 share the same motor (2.2 kW) and footprint (84 × 44 × 67 cm), but DBF 20 prioritizes high vacuum (3,000 mmH₂O) while DBF 30 prioritizes higher air volume (318 m³/h). Choose based on your process requirements.

Technical Specifications

Parameter	DBF 20	DBF 30
Voltage	400 V, 50 Hz, 3-phase	400 V, 50 Hz, 3-phase

Parameter	DBF 20	DBF 30
Power / Current	2.2 kW / 4.6 A	2.2 kW / 4.6 A
IP Rating	IP65	IP65
Pressure Relief Valve	Included	Included
Max Vacuum	3,000 mmH ₂ O	2,600 mmH ₂ O
Continuous Vacuum	2,200 mmH ₂ O	1,800 mmH ₂ O
Max Airflow	270 m ³ /h	318 m ³ /h
Suction Inlet	Ø50 mm	Ø50 mm
Capacity	25 L	25 L
Noise Level (EN ISO 3744)	70 dB(A)	71 dB(A)
Dimensions (L×W×H)	84 × 44 × 67 cm	84 × 44 × 67 cm
Weight	40 kg	45 kg
Motor Type	Side-channel blower — maintenance-free	
Operation	Continuous 24/7	
Construction	Full steel	
Primary Filter	Star filter — Polyester ANT M (IEC 60335-2-69)	
Filter Surface Area	8,000–360 cm ² ·mm	
Filter Cleaning	Manual	

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

The DBF 20/30 can be configured with a range of options that tailor the unit to specific environment requirements — from stainless steel collection tank to full AISI 304 construction.

- **Stainless steel collection tank** — AISI 304 for demanding environments
- **Full AISI 304 construction** — both filter chamber and tank in stainless steel
- **Earth grounding** — ESD protection against electrostatic buildup
- **Single-phase 230 V** — DBF 20 only (option)

CONTACT

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