

WHITE LINE • DELFIN • FIXED MACHINE MOUNTING

Delfin DBF 05/10

Fixed extraction unit with bag filter for direct mounting on production machinery and OEM lines. Maintenance-free motor for continuous 24/7 operation. Complete steel construction. IP65.

- Maintenance-free side channel blower — no brushes, no service stops
- Continuous 24/7 operation — built for uninterrupted production extraction
- Compact and horizontal — easy to integrate in tight machine layouts
- IP65 — protected against dust ingress and water jets from all directions
- Two power levels: DBF 05 (0.4 kW) and DBF 10 (0.85 kW)
- Complete steel construction — AISI 304 stainless steel available



Delfin DBF 05 fixed extraction unit for direct mounting on production machinery

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 / 70 dB(A)
Capacity	15 L
IP rating	IP65
Weight	30 / 35 kg
Mounting	Fixed

What is the Delfin DBF 05/10?

The Delfin DBF 05/10 is a compact, fixed extraction unit engineered for direct mounting on production machinery and OEM lines. Its maintenance-free side channel blower is rated for continuous 24/7 operation, and the compact horizontal form factor fits easily into tight machine layouts. Dust collection is handled by a disposable bag with Polyester M PTFE media, and the unit is available in two power levels: DBF 05 (0.4 kW, 100 m³/h) and DBF 10 (0.85 kW, 150 m³/h).

The construction is complete steel, and the IP65 rating ensures full protection against dust ingress and water jets from all directions. An integrated pressure relief valve protects the motor against overload if the suction inlet becomes blocked during operation. The unit is highly modular and can be adapted to specific OEM requirements — from filter upgrades to full AISI 304 stainless steel construction.

Two models — one design: DBF 05 and DBF 10 share the same external design and footprint (75 × 34 × 42 cm) but differ in motor output. Choose DBF 05 for lighter extraction tasks and DBF 10 when the process requires higher airflow or vacuum.

Technical specifications

Parameter	DBF 05	DBF 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
Pressure relief valve	Included	Included
Max vacuum	1,500 mmH ₂ O	2,000 mmH ₂ O
Continuous vacuum	1,100 mmH ₂ O	1,300 mmH ₂ O
Max airflow	100 m ³ /h	150 m ³ /h
Suction inlet	Ø50 mm	Ø50 mm
Capacity	15 L	15 L
Disposable bag	1 included	1 included
Noise level (EN ISO 3744)	65 dB(A)	70 dB(A)
Dimensions (L×W×H)	75 × 34 × 42 cm	75 × 34 × 42 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

The DBF 05/10 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.

- **H14 absolute filter cartridge (HEPA)** — mounted as secondary filter after the disposable bag
- **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 discharge
- **Single-phase 230 V** — DBF 05 only (optional)
- **Disposable bag 5-pack** — Polyester M PTFE consumable

CONTACT

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