

ATEX ZONE 22 • DELFIN • STATIONARY

Delfin DBFV 05/10 Z22

Stationary extraction unit certified for ATEX Zone 22 with integrated vortex pre-filter. Maintenance-free side channel blower, H14 HEPA filter included. Complete steel construction, IP65, 15 L capacity.

- ATEX II 3D certified
- Vortex pre-filter included
- Extended filter life
- Continuous 24/7 operation



Delfin DBFV 05/10 Z22 ATEX dust collector with vortex pre-filter

ATEX II 3D Ex h tc IIIC T80°C(int)/T165°C(ext) Dc · EN 17348:2022 — DRY TYPE DUST COLLECTOR · Category 3D

Key Data	
Power	0.4–0.85 kW
Max Airflow	100–150 m³/h
Max Waterlift	2,000 mmH ₂ O
Capacity	15 L
Weight	30–35 kg
Noise	65–69 dB(A)
ATEX Zone	Zone 22

Product Overview

Delfin DBFV 05/10 Z22 is engineered for applications featuring particularly heavy, sticky, or agglomerating dust. The integrated vortex pre-filter separates these large particles before they reach the main filter, significantly extending filter life and reducing maintenance costs.

Like all Delfin ATEX models, DBFV Z22 comes with H14 HEPA absolute filter, maintenance-free side channel blower, and robust steel construction for Zone 22 certification. The integrated vortex technology makes it the optimal choice for dust types that cause rapid filter clogging.

ATEX compliance: DBFV 05/10 Z22 is certified under ATEX Directive 2014/34/EU and meets EN 17348:2022 for dust collectors in hazardous areas. The integrated vortex pre-separator extends filter life, while the H14 HEPA absolute filter ensures 99.995% particle retention.

Technical Specifications

Parameter	Value
Motor Type	Side channel blower with vortex pre-filter
Power	0.4–0.85 kW

Parameter	Value
Current Draw	1.8–0.75 A
Voltage	400 V, 50 Hz, 3-phase
Max Airflow	100–150 m³/h
Max Waterlift	2,000 mmH ₂ O
Noise Level	65–69 dB(A)
Capacity	15 L
Weight	30–35 kg
IP Rating	IP65
Filter Type	H14 HEPA absolute filter
ATEX Certification	II 3D Ex h tc IIIC T80°C(int)/T165°C(ext) Dc
ATEX Category	3D – Zone 22

Vortex Pre-Filter Technology

The integrated vortex system creates a cyclonic airstream that separates heavy particles and directs them directly to the collection tank without burdening the main filter. This is especially important for oily, fatty, and sticky dust types.

Options and Accessories

DBFV 05/10 Z22 can be supplied with various custom configurations:

- **Stainless steel construction** – for aggressive dust and moisture
- **Extra filter sets** – for 24/7 operation without downtime
- **Advanced control system** – with filter indicators
- **Sealed bag system** – for containment
- **Custom connections** – per customer specification

Compliance Certifications

This unit complies with EU Directive 2014/34/EU for ATEX certification and is tested according to EN 17348:2022. DBFV is certified for Zone 22, just like the DBF model.

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/