

ATEX ZONE 22 • DELFIN • STATIONARY

Delfin DBF 05/10 Z22

Stationary extraction unit certified to ATEX Zone 22. Maintenance-free side channel blower with H14 HEPA absolute filter as standard. Complete steel construction, IP65, 15 L capacity.

- ATEX II 3D certified
- Maintenance-free motor
- H14 HEPA filter included
- Continuous 24/7 operation



Delfin DBF 05/10 Z22 ATEX dust collector

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	65–70 dB(A)
ATEX Zone	Zone 22

Product Overview

Delfin DBF 05/10 Z22 is a robust, stationary dust collector designed specifically for ATEX-certified applications in Zone 22. With its maintenance-free side channel blower and durable steel construction, this unit is ideal for pharmaceutical companies, chemical manufacturers, and other industries dealing with explosive dust atmospheres.

The system comes standard with H14 HEPA absolute filter, delivering extreme high particle retention essential for cleanroom environments and GMP certifications. The 15 L collection tank minimizes downtime during emptying, making it an economical choice for continuous operation.

ATEX compliance: DBF 05/10 Z22 is certified under ATEX Directive 2014/34/EU and meets EN 17348:2022 for dust collectors in hazardous areas. H14 HEPA absolute filter as standard ensures 99.995% particle retention. IP65 rating prevents ingress of dust and water.

Technical Specifications

Parameter	Value
Motor Type	Side channel blower — maintenance-free
Power	0.4–0.85 kW
Current Draw	1.8–0.75 A
Voltage	400 V, 50 Hz, 3-phase
Max Airflow	100–150 m³/h

Parameter	Value
Max Waterlift	2,000 mmH ₂ O
Noise Level	65–70 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

Filter Equipment

All ATEX models come standard with H14 HEPA absolute filter. This filter meets the highest particle retention requirements and ensures compliance with pharmaceutical standards including GMP and FDA regulations. The filter can be inspected or replaced as needed.

Options and Accessories

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

- **Stainless steel upgrades** – for enhanced corrosion protection
- **Additional filters** – for quick turnaround service
- **Sealed bag system** – for containment of toxic dust
- **Mounting kits** – for production line integration
- **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. ATEX II 3D means the unit is approved for Zone 22, where explosive dust atmospheres are not expected to occur under normal conditions.

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/