

ATEX ZONE 22 • DELFIN • STATIONARY

Delfin PHARMA 20.18 ATEX

Pharmaceutical dust extractor certified to ATEX for Zone 22. Maintenance-free side channel blower, IP65. H14 HEPA absolute filter standard. Complete AISI304 stainless steel construction for explosive dust atmospheres.

- ATEX Zone 22 certified
- Maintenance-free operation
- H14 HEPA absolute filter
- GMP-compatible design



Delfin PHARMA 20.18 ATEX - ATEX Zone 22 certified pharmaceutical dust extractor

ATEX II 3D Ex h tc IIIC T80°C(int)/T165°C(ext) Dc · EN 17348:2022 DRY TYPE DUST COLLECTOR · Category 3D - Zone 22

Key Data	
Power	2.2 kW
Max Airflow	270 m³/h
Max Waterlift	3,000 mmH ₂ O
Tank Capacity	22 L
Weight	75 kg
Noise	70 dB(A)
ATEX Zone	Zone 22

Features and ATEX Certification

The Delfin PHARMA 20.18 ATEX is a compact, stationary dust extraction unit certified to ATEX II 3D Ex h tc IIIC T80°C(int)/T165°C(ext) Dc and approved for permanent installation in Zone 22 explosive dust atmospheres. The unit combines pharmaceutical-grade stainless steel construction with maintenance-free side channel blower technology. H14 HEPA absolute filter and IP65 rating ensure maximum safety in sensitive processes.

Zone 22 certification means the extractor operates in environments where explosive dust atmospheres occur rarely and only for very brief periods during normal operations. The maintenance-free design with no carbon brushes, electrical friction, or wearing parts makes it suitable for continuous 24/7 operation without scheduled downtime.

ATEX & GMP compliance: PHARMA 20.18 ATEX is certified under ATEX Directive 2014/34/EU and meets EN 17348:2022 for dust collectors in hazardous areas. The AISI304 stainless steel construction with heat-treated finish is compatible with GMP requirements in pharmaceutical production facilities. The safe bag system enables enclosed handling of potent substances.

Technical Specifications

Parameter	Value
ATEX Certification	II 3D Ex h tc IIIC T80°C(int)/T165°C(ext) Dc
ATEX Category	3D - Zone 22
Standard	EN 17348:2022
Motor Type	Side channel blower - maintenance-free
Power	2.2 kW / 4.6 A
Voltage	400 V, 50 Hz, 3-phase
Max Airflow	270 m³/h
Max Waterlift	3,000 mmH ₂ O
Continuous Waterlift	2,200 mmH ₂ O
Suction Inlet	Clamp Ø50 mm AISI304
Tank Capacity	22 L AISI304 stainless steel
Filter Type	H14 HEPA Absolute Filter
Noise Level	70 dB(A) per EN ISO 3744
IP Rating	IP65
Dimensions	70 x 51 x 129 cm (L x W x H)
Weight	75 kg

Filter Equipment and Cleaning

All PHARMA 20.18 ATEX units ship with H14 HEPA absolute filter as standard. The filter delivers 99.995% particle retention at MPPS and is certified per EN 1822:5. Star-filter construction with integrated manual cleaning allows continuous operation without motor power loss. The antistatic polyester filter media protects against static discharge buildup in explosive atmospheres.

Options and Custom Configurations

- **FDA-certified antistatic filter** - for food industry and highest pharmaceutical safety
- **Stainless steel AISI304 filter chamber** - enhanced chemical resistance
- **Earth grounding kit** - additional electrostatic discharge protection
- **Safe Bag system (BiBo)** - sealed bag containment during filter replacement
- **Stainless steel coupling clamps** - for 50 mm or 70 mm suction inlet
- **Polished inner filter chamber** - easier cleaning and maintenance

CONTACT

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