

ATEX ZONE 22 • DELFIN • MOBILE

Delfin MTL201 1/3D

Compact ATEX Zone 22-certified industrial dust vacuum for dry combustible dust. 1.1 kW side-channel blower, 2,500 mmH₂O vacuum, 180 m³/h airflow. 20 L stainless steel AISI 304 container. Cartridge-filter class M with H14 HEPA absolute filter and Dustop automatic filter cleaning as standard. EN 17348:2022. IECEx. IP55.

- ATEX II 1/3D – Zone 20 internal / Zone 22 external
- Dustop automatic filter cleaning included
- EN 17348:2022 compliance
- IECEx + IMQ third-party certified
- Maintenance-free side-channel blower



Delfin MTL201 1/3D ATEX Zone 22 industrial dust vacuum

ATEX II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc · EN 17348:2022 – DRY TYPE DUST COLLECTOR · IECEx certified · IMQ third-party verified

Key Data	
Power	1.1 kW
Airflow	180 m³/h
Vacuum	2,500 mmH ₂ O
Capacity	20 L
Weight	32 kg
Noise	74 dB(A)
ATEX Zone	Zone 22

Product Description

The Delfin MTL201 1/3D is a compact mobile industrial dust vacuum certified for ATEX Zone 22 under category 1/3D. This means the machine's internal component is Zone 20-protected (the highest safety level for dust) while the external construction is classified for Zone 22.

The unit features a 1.1 kW maintenance-free side-channel blower delivering up to 2,500 mmH₂O vacuum and 180 m³/h airflow. The collection container is 20 L stainless steel AISI 304 with a Ø50 mm suction inlet. The MTL201 distinguishes itself from the MTL301 by featuring Dustop automatic filter cleaning, which ensures the filter is continuously cleaned without downtime.

ATEX Marking: II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc. Certified under ATEX Directive 2014/34/EU with compliance to EN 17348:2022 for dry-type dust collectors. IECEx-certified and IMQ third-party verified. The H14 HEPA absolute filter ensures 99.995 % particle retention at MPPS. The Dustop system extends filter life significantly through automatic cleaning during operation.

Parameter	Value
Motor Type	Side-channel blower
Power	1.1 kW
Current	5 A
Voltage	230 V, 50/60 Hz, 1-phase
Airflow	180 m³/h

Parameter	Value
Maximum Vacuum	2,500 mmH ₂ O
Noise Level	74 dB(A)
Capacity	20 L
Weight	32 kg
Dimensions	52 × 63 × 112 cm
Suction Inlet	Ø50 mm
IP Class	IP55
Filter Type	Cartridge Polyester ANT M (30,000 cm ²) + H14 HEPA (11,000 cm ²)
Filter Cleaning	Dustop automatic (compressed air)
ATEX Certification	II 1/3D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Dc
ATEX Category	1/3D – Zone 20 internal / Zone 22 external

Dustop Automatic Filter Cleaning

The MTL201 is equipped with the Dustop system, a compressed air-based automatic filter cleaning mechanism. The system injects compressed air through the filter while the machine operates, removing dust depositions and keeping the filter open. This delivers several key benefits:

- Extended filter life compared to manual cleaning systems
- No scheduled downtime for filter cleaning
- Reduced maintenance costs over the machine's lifecycle
- Optimal for fine dust types where filtration is critical
- 24/7 continuous operation without service requirements

Cartridge Filter versus Star Filter

The MTL201 uses a cartridge filter (ANT M-class polyester) instead of the star filter found on the MTL301. The cartridge filter provides greater filter surface (30,000 cm²) and is particularly well-suited to applications with fine or sticky dust types. Combined with the Dustop system, it ensures optimal filter performance throughout the machine's operation.

Options and Accessories

The MTL201 can be supplied with various special configurations:

- **Extra filter sets** – for hot-swap operation without downtime
- **Compressed air configuration** – optimization of the Dustop system
- **Advanced control system** – with filter indicators and alarms
- **Sealed bag system** – for containment and dust control
- **Specialized connections** – according to customer requirements

Compliance Certifications

This unit complies with EU Directive 2014/34/EU for ATEX certification and has been tested according to EN 17348:2022. The MTL201 is certified for Zone 22 under category 1/3D with both IECEx and IMQ third-party

verification.

CONTACT

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