

ATEX ZONE 21 • DELFIN • COMPACT MOBILE VACUUM

Delfin MTL201 1/2D ATEX

Compact mobile vacuum certified for ATEX Zone 21 and Zone 20 dust areas with tangential inlet and integrated cyclone. Stainless steel AISI304 standard. H14 HEPA filter included. Dustop integrated filter cleaning. ESD accessory kit included. Third-party certified — ideal for smaller facilities and mobile work.

- ATEX Zone 21 third-party certified per EN 17348:2022
- Category 1/2D — approved for dust zone operation only, never gas
- H14 HEPA absolute filter for 99.995% particle retention
- Dustop integrated filter cleaning for reduced maintenance
- Tangential inlet with cyclone — natural dust separation
- Compact 32 kg — mobile and easy to position between areas



Delfin MTL201 1/2D ATEX compact mobile vacuum for Zone 21 dust areas

II 1/2D — ATEX Directive 2014/34/EU · IMQ — Notified body · IECEx Da/Db — Zone 20 internal / Zone 21 external · EN 17348 DT — Combustible dust collection · IP64 (vacuum head)

Key Facts	
Category	ATEX 1/2D
Zone	Zone 21
Power	1.1 kW
Airflow	215 m³/h
Max vacuum	2,250 mmH ₂ O
Noise	74 dB(A)
Tank	20 L
Weight	32 kg

Features and Technology

The Delfin MTL201 1/2D ATEX is a compact mobile vacuum designed for ATEX Zone 21 and Zone 20 dust areas. This size is ideal for smaller facilities, mobile work sites, and applications where space and flexibility are important. The machine is third-party certified per EN 17348:2022 and EU Directive 2014/34/EU as category 1/2D, which means it is approved exclusively for dust zones, not gas areas or mixed atmospheres.

The tangential inlet with integrated cyclone creates natural dust separation at the inlet point. Heavy dust is immediately separated and drops to the bottom of the collection container, while only clean air passes through the H14 HEPA filter. This significantly reduces filter loading, extends filter service life, and reduces noise level to 74 dB(A).

The Dustop system is an integrated automatic filter cleaning system that continuously pulses compressed air through the filter. This improves filter performance, reduces maintenance requirements, and enables longer operating periods between filter replacements. The H14 HEPA filter guarantees 99.995% particle retention at MPPS even at very high dust concentrations. Stainless steel AISI304 as standard ensures maximum corrosion resistance in aggressive industrial environments. The ESD accessory kit is included for safe handling of electrostatic-sensitive dust.

Zone 21 certification: This unit is third-party certified by IMQ (accredited notified body) for Zone 21 operation and Zone 20 internal operation. Category 1/2D means highest safety level for dust zones. You receive complete EU documentation, technical file, and original certification. Installation must be performed per ATEX guidelines.

Technical Specifications

Parameter	Value
ATEX certification	II 1/2D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Db
ATEX category	1/2D — Zone 21 external, Zone 20 internal
Zone approval	Dust zone only (NEVER gas)
Standard	EN 17348:2022
Motor type	Single-phase vacuum motor — maintenance-free
Power	1.1 kW / 8 A
Voltage	115/230 V, 50/60 Hz, single-phase
Max airflow	215 m³/h
Max vacuum	2,250 mmH ₂ O
Inlet	Ø50 mm
Tangential inlet with cyclone	Included
Filter type	H14 HEPA absolute filter — 99.995% at MPPS
Filter medium	Polyester ANT M (antistatic)
Filter area	30,000 cm², Ø360 mm
Filter cleaning	Dustop integrated
Air load on filter	72 m³/m²/h
Noise level	74 dB(A) per EN ISO 3744
Collection capacity	20 L
Construction	Stainless steel AISI304
IP class	IP64 (vacuum head)
Dimensions (H×W×D)	52 × 63 × 112 cm
Weight	32 kg
Primary filter	Cartridge, polyester ANT M
HEPA filter	H14, 99.995% at MPPS — INCLUDED
Accessory kit	ESD kit TA.0527.0000 — INCLUDED

CONTACT

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