

ATEX ZONE 21 • DELFIN • COMPACT MOBILE

Delfin MTL 301 1/2D

Compact mobile dust collector certified for ATEX Zone 21 with single-phase vacuum motor. Stainless steel AISI304 as standard. H14 HEPA filter included. Disposable filter bag and ESD-safe accessories included — flexible and certified for hazardous dust environments.

- ATEX Zone 21 third-party certified per EN 17348 (DT — dust collector type)
- Category 1/2D — approved for Zone 20 internal and Zone 21 external deployment
- H14 HEPA absolute filter for 99.995% particle retention at MPPS
- Single-phase vacuum motor Ex tb with IP64 vacuum head
- Compact mobile design — only 26 kg, flexible for multiple work sites
- Disposable antistatic filter bag (class M) and ESD-safe accessories included



Delfin MTL 301 1/2D ATEX compact mobile dust collector Zone 21

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	40 L
Weight	26 kg

Features and Technology

The Delfin MTL 301 1/2D ATEX is a compact mobile dust collector designed for permanent installation in ATEX Zone 21 environments. Zone 21 means explosive dust-air mixtures may occur 10–1,000 hours per year — higher risk than Zone 22 and requiring more robust construction. The unit is third-party certified per EN 17348 (DT — dry type dust collector) and EU Directive 2014/34/EU as category 1/2D, meaning it is approved for Zone 20 internal and Zone 21 external dust collection.

The single-phase vacuum motor with IP64-rated vacuum head provides robust and reliable operation without complex three-phase electrical requirements. The H14 HEPA filter ensures 99.995% particle retention at MPPS (Most Penetrating Particle Size) even at very high dust concentrations. Stainless steel AISI304 as standard ensures maximum corrosion resistance in aggressive industrial environments.

The 40 L collection vessel provides good capacity for many dust applications. Airflow of 215 m³/h and maximum vacuum of 2,250 mmH₂O make the MTL 301 1/2D suitable for medium-scale industrial processes, hazardous dust collection, and flexible deployment across different work sites. Compact form factor (only 26 kg) makes it easily transportable between locations.

Zone 21 certification: This unit is third-party certified by IMQ (notified body) for Zone 21 operation. Category 1/2D means higher safety level for hazardous dust environments. You receive full EU documentation, technical file, and original certification. Installation should 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 20 internal / Zone 21 external
Standard	EN 17348 DT – Combustible dust collection
Motor type	Single-phase vacuum motor Ex tb, IP64 vacuum head
Voltage	115/230 V, 50/60 Hz, single-phase
Power	1.1 kW / 8 A
Max airflow	215 m³/h
Max vacuum	2,250 mmH ₂ O
Inlet	Ø50 mm
Collection capacity	40 L
Construction	Stainless steel AISI304
Primary filter type	Star/pocket polyester ANT M – 4,000 cm², Ø360 mm
HEPA filter	H14 HEPA absolute filter – 99.995% at MPPS – 11,000 cm²
Noise level	74 dB(A) per EN ISO 3744
Dimensions (W×D×H)	44 × 42 × 84 cm
Weight	26 kg
IP class (vacuum head)	IP64
Included	Disposable filter bag (antistatic class M), accessory kit TA.0527.0000

Options and Accessories

The Delfin MTL 301 1/2D comes complete with certified equipment and accessories:

- **Antistatic disposable filter bag class M (FI.0469.0000)** – safe and hygienic dust handling without risk of manual emptying
- **Accessory kit TA.0527.0000 (included)** – ESD-safe hoses and adapters for Zone 21 operation

CONTACT

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