

DELFIN · II 3D EX H TC IIIC T80°C (INT)/T165°C (EXT) DC

Delfin MTL 20.18



The Delfin MTL 20.18 is a compact, quiet industrial ATEX vacuum with side-channel blower (Side Channel Blower Ex Dust Tight Certified), designed for stationary on-board suctioning and general cleaning in Zone 22-classified areas. It is self-certified per EN 17348:2022 in ATEX category 3D (classification 22 ATEX). IP65 motor enclosure and a star filter with integrated ergonomic cleaning mechanism provide high operational reliability under continuous operation.

APPLICATIONS

- Stationary installation on machines and process equipment in Zone 22
- On-board suctioning directly from CNC, grinding or mixing machines
- Continuous dust collection on process plants with high duty cycle
- Cleaning of ATEX Zone 22 production areas with three-phase supply
- Integration into central-vacuum systems as a local unit

Technical specifications

ATEX marking	II 3D Ex h tc IIIC T80°C (Int)/T165°C (Ext) Dc
Internal / external zone	22 / 22
Motor type	Sidekanalblæser, 3-faset
Airflow	270 m³/h
Vacuum	294 mbar (3000 mmH ₂ O)
Container	22 L
Sound pressure	70 dB(A)
Filter class	H class
Filter type	Klasse H HEPA, 11.000 cm² filterflade, H14-efficiens (99,995 % MPPS, EN 1822-5)
Primary filter	Stjerne/taske antistatisk polyester M, 12.000-360 cm²-mm
Collection system	Synthetic safebag
Material	Lakeret stål med aftagelig beholder
IP class	IP65
Power	2.2 kW
Current	4.6 A
Voltage	400 V / 50 Hz / 3~
Inlet	Diameter 50 mm
Dimensions (L x W x H)	690 x 510 x 1290 mm
Weight	75 kg

Questions and answers

What does 3D Dc mean and how is the MTL 20.18 certified?

3D is ATEX Category 3 for dust (D), and Dc is the corresponding EPL. Both sides of the enclosure may be placed in Zone 22 -- internal and external. The MTL 20.18 is self-certified by Delfin per the harmonised standard EN 17348:2022 (March 2023), which is the authoritative norm for industrial vacuums handling combustible dust.

What is a side-channel blower, and why choose it?

A side-channel blower is a robust, oil-free blower with very long service life and low maintenance, suited to continuous operation. Unlike bypass and brushless motors, a side-channel unit can deliver high vacuum (3000 mmH²O peak, 2200 mmH²O continuous) for many hours without wear, which is essential for stationary duty.

Why is the model called stationary?

The MTL 20.18 is intended for fixed installation on a machine or process equipment, typically as a local suction unit for on-board suctioning. Unlike mobile units, it is not moved around. This provides a simpler, more reliable solution at fixed collection points.

What power supply does the MTL 20.18 require?

The model requires three-phase 400 V / 50 Hz. Current draw is 4.6 A and power is 2.2 kW. The model can therefore be connected to standard industrial mains supply without special requirements.

Contact and advisory

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