

Delfin MTL 451 1/2D INERT

Compact oil inerting vacuum with ATEX II 1/2D certification for the safe collection of self-igniting metal powder from 3D printing processes. Zone 20 internal, Zone 21 external. HEPA H14. IECEX.

Brand: Delfin | Manufacturer: Delfin Industrial Vacuums

Key features

- ATEX II 1/2D - Zone 20 internal, Zone 21 external ; IECEX Da/Db
- HEPA H14 - 99.995 % at MPPS (EN 1822)
- Oil inerting - neutralises reactive powder before emptying
- TEFC motor 1.1 kW - 215 m³/h, 2,250 mmH₂O
- AISI 304 container - INERT tank 10 L oil / 15 L total
- 74 dB(A) ; 52 kg ; compact and mobile on wheels
- Tested to EN 17348 ; EN IEC 62784:2018 ; EN ISO 80079-36:2016

ATEX / certification

ATEX II 1/2D - CE EX 21 1/2D
IECEX Da/Db
HEPA H14 - EN 1822
EN 17348:2022
EN IEC 62784:2018
EN ISO 80079-36:2016

Specifications

ATEX marking	II 1/2D Ex h tb IIIC T80°C (Int) / T95°C (ext) Da/Db
ATEX zone	Zone 20 internal, Zone 21 external
EX category	CE EX 21 1/2D ; IECEX Da/Db
Voltage	115/230 V ; 50/60 Hz ; single phase ; 8 A
Power	1.1 kW
Motor type	TEFC (Totally Enclosed Fan Cooled)
Airflow	215 m ³ /h
Vacuum pressure (max.)	2,250 mmH ₂ O
Suction inlet	Ø50 mm
Primary filter	Star/Tasche polyester ANT M ; 20,000 cm ² ; Ø420 mm
Filter cleaning	Manual shaking mechanism ; filter indicator incl.
HEPA filter	H14 ; 99.995 % at MPPS ; 11,000 cm ²
INERT capacity (oil)	10 L
INERT capacity (oil + material)	15 L (max.)*
Container	AISI 304 stainless steel
Dimensions	61 x 66 x 133 cm (H)
Weight	52 kg
Noise level	74 dB(A) (EN ISO 3744)
Accessory kit	TA.1057.0000 - included
Standards	EN 17348 ; EN IEC 62784:2018 ; EN ISO 80079-36:2016