

EXP1-10 (IT-40L) EX (CFE) HEPA

Electric ATEX II 2GD wet mix immersion vacuum with TEFC motor (Totally Enclosed Fan Cooled) for combustible metal powder from 3D printing. Highest airflow in the IT-40L range: 224 m³/h. Zone 1 gas and Zone 21 dust external. Third-party certified LCIE 03 ATEX 6297.

Brand: Tiger-Vac | Manufacturer: Tiger-Vac International Inc.

Key features

- ATEX II 2GD - Zone 1 gas ; Zone 21 dust (external)
- LCIE 03 ATEX 6297 - 3rd party type examination certificate
- Water immersion (wet mix) - combustible powder neutralised in immersion bath
- TEFC motor 1 kW - hermetically sealed, no cooling air intake
- Highest airflow: 224 m³/h ; CFE HEPA 99.97 %
- 31.8 kg ; 15 m cord ; AISI 304
- EN 17348 WT ; EN ISO 80079-36:2016 ; NFPA 484

ATEX / certification

ATEX II 2GD - LCIE 03 ATEX 6297
Zone 1 gas ; Zone 21 dust
EN 17348:2022 WT
CFE HEPA - 99.97 % at 0.3 µm
NFPA 484

Specifications

ATEX marking	II 2GD Ex d IIA T3 Gb / Ex t IIIC T200°C Db IP6X
ATEX zone	Zone 1 gas (external) ; Zone 21 dust (external)
ATEX certificate	LCIE 03 ATEX 6297 (3rd party, NB 0081)
Motor type	TEFC (Totally Enclosed Fan Cooled) 1 kW
Voltage	230 V ; 50 Hz ; single phase ; 4.5 A
Air flow	224 m ³ /h
Vacuum pressure	1,550 mmH ₂ O
Suction inlet	Ø38 mm (1.5" camlock)
Filter	CFE coalescing HEPA - 99.97 % at 0.3 µm
Water capacity (container)	12.3 L (3.25 gal)
Recovery bag	Conductive wet recovery bag - 3 L - included
Container	AISI 304 stainless steel
Dimensions	48 x 46 x 86 cm (H)
Weight	31.8 kg
Sound level	78/85 dB(A)
Cord length	15 m (power outlet plug not included)
Standards	EN 17348 WT ; EN ISO 80079-36:2016 ; EN ISO 80079-37:2016 ; NFPA 484

3D Tool Kit contents

Tool kit configured for the 1.5" camlock (38 mm) suction inlet.

Included:

- Static-conductive crushproof suction hose, 1.5" (38 mm) x 3 m, for 1.5" camlock inlet
- Round brush, ESD-safe plastic, for 1.5" (38 mm) hose
- Crevice tool, 1.5" (38 mm) x 20 cm, conductive rubber with aluminium tube
- Conical nozzle with curved tip, 25 cm, conductive rubber

Optional:

- Double-bend wand (2-piece), 1.5" (38 mm) x 137 cm, chrome
- Utility floor tool, 38 mm x 30 cm, static-conductive plastic with conductive bristles