

EXP1-10 (40L) HEPA - W/3D Tool Kit

ATEX explosion-proof vacuum with TEFC motor for plastic powder from 3D printing

Brand: Tiger-Vac | Manufacturer: Tiger-Vac International Inc. | Item: 113151B

Key features

- Legally certified explosion-proof / dust-ignition-proof (ATEX 3rd party, NB 0081)
- Totally Enclosed Fan Cooled (TEFC) motor suited to continuous operation
- Ideal for medical / dental 3D printer cleaning and maintenance
- Full stainless steel AISI 304 construction; static-dissipative tool kit included

ATEX / certification

ATEX marking	II 2GD
Gas / dust	Ex d IIA T3 Gb; Ex t IIIC T200°C Db IP6X
Zones	Zone 1+2 (gas IIA); Zone 21+22 (dust IIIC)
Certification	LCIE 03 ATEX 6297; 3rd party (LCIE, NB 0081)
Harmonised standard	EN 17348 (combustible dust)
Operating temperature	-5°C to +37°C (Ta)

Specifications

Filter class	HEPA H14 (EN 1822) - 99.99 % at 0.3 µm
Motor type	TEFC (Totally Enclosed Fan Cooled)
Power	1 kW / 1000 W
Voltage	230 V, 50 Hz, single phase
Current	4.5 A
Air flow	224 m ³ /h
Vacuum pressure	1550 mmH ₂ O
Sound level	78 / 85 dB(A)
Suction inlet	Ø 38 mm (hose) / Ø 60 mm (conductive inlet)
Cart type	4-wheel dolly
Dimensions (H x W x L)	86 x 46 x 48 cm
Cord length	15 m
Construction	Stainless steel AISI 304 - entire unit
ESD-safe	Yes - less than 10 ohms; conductive accessories included
Operation	Continuous
Recovery type	Dry only

3D Tool Kit contents

Tool kit configured for the 60 mm conductive suction inlet.

Included:

- Static-conductive crushproof suction hose, 1.5" (38 mm) x 3 m, for 60 mm conductive 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