

EXP1-20 DT (PRS-HEC)

Electric PRS vacuum with integrated high-efficiency cyclone for recovery and reuse of unsintered metal powder from powder bed fusion printers. Third-party certified for Zone 21 and Zone 22 (ATEX II 2GD). TEFC motor. HEPA H14. Stainless steel SAE 304.

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

Key features

- Integrated HEC cyclone - separates up to 98 % of the powder
- ATEX II 2GD - Zone 21 and Zone 22, LCIE 03 ATEX 6297
- TEFC motor - fully enclosed, externally cooled
- Detachable SS 304 recovery tank - 25 L
- HEPA H14 as secondary safety barrier
- ESD-safe accessories included

ATEX / certification

ATEX II 2GD - Zone 21 and Zone 22
LCIE 03 ATEX 6297
HEPA H14 - EN 1822
EN 17348 - combustible dust
CE - ATEX Directive 2014/34/EU

Specifications

Filter class	HEPA H14 (EN 1822)
Filter efficiency	99.995 % at 0.3 µm
Cyclone separation	Up to 98 % (before filter)
Motor type	TEFC (Totally Enclosed Fan Cooled)
Power	1 kW / 1,000 W
Voltage	230 V, 50 Hz, single phase
Current	4.5 A
Airflow	224 m ³ /h
Vacuum pressure	1,550 mmH ² O
Noise level	78/85 dB(A)
Suction inlet	Ø50 mm (2" camlock)
Recovery tank	25 L - detachable, SS 304
Weight (without accessories)	98 kg
Dimensions	H 135 x W 56 x L 112 cm
Cord length	15 m
Recovery type	Dry only

3D Tool Kit contents

Tool kit configured for the 2" camlock (50 mm) suction inlet.

Included:

- Static-conductive crushproof suction hose, 1.5" (38 mm) x 3 m, for 2" 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
- PRS-HEC recovery tank assembly with conductive wheels and closing lid with handle

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