

SS-20 DT (PRS-HEC)

Pneumatic PRS vacuum with integrated high-efficiency cyclone for continuous recovery and reuse of metal powder from powder bed fusion printers. Third-party certified for Zone 21 and Zone 22 - Zone 21 internally inside the recovery tank (ATEX II 2GD, IECEx). HEPA H14. Stainless steel SAE 304.

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

Key features

- No electric motor - continuous duty, no duty cycle limitation
- Integrated HEC cyclone - separates up to 98 % of the powder
- Zone 21 internally inside the recovery tank (LCIE 03 ATEX 6310 X)
- Dual certified: ATEX and IECEx (IECEx LCIE 17.0076 X)
- High vacuum pressure (4,570 mmH²O) - ideal for long hose runs
- Detachable SS 304 recovery tank - 25 L

ATEX / certification

ATEX II 2GD - Zone 21 and Zone 22
LCIE 03 ATEX 6310 X
IECEx LCIE 17.0076 X
HEPA H14 - EN 1822
EN 17348 - combustible dust

Specifications

Filter class	HEPA H14 (EN 1822)
Filter efficiency	99.995 % at 0.3 µm
Cyclone separation	Up to 98 % (before filter)
Drive type	Pneumatic - single venturi, Ø6 mm
Minimum compressor	15 HP
Air line size	1/2" (12.7 mm)
Air consumption	21.2 L/s
Operating pressure	5.5 bar
Airflow	204 m ³ /h
Vacuum pressure	4,570 mmH ² O
Noise level	72 dB(A)
Suction inlet	Ø50 mm (2" camlock)
Recovery tank	25 L - detachable, SS 304
Weight (without accessories)	95 kg
Dimensions	H 135 x W 56 x L 112 cm
Duty cycle	Continuous

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