

C-10 EX DT (PRS-HEC) - With 3D Tool Kit

ATEX powder recovery system with high-efficiency cyclone (HEC) and detachable tank for 3D printing

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

Key features

- Powder Recovery System (PRS) with high-efficiency cyclone for combustible powder recovery
- Integrated cyclone separates up to 98 % of material before the filter stage
- ATEX Category II 1/3D - Zone 20 internal, Zone 22 external; IECEx certified
- Heavy-duty bypass motor; longer-life brushless (BLSD) motor available
- Detachable 25 L stainless steel 304 recovery tank; static-dissipative 3D tool kit included

ATEX / certification

ATEX marking	II 1/3D
External	Ex h tc IIIC T200°C Dc
Internal (tank)	Ex h IIIC T200°C Da
Zones	Zone 20 internal; Zone 22 external
Certification	LCIE 15 ATEX 3061; IECEx LCIE 15.0048
Harmonised standard	EN 17348 (combustible dust)

Specifications

Filter class	HEPA H14 (EN 1822)
Filter efficiency	99.99 % at 0.3 µm
Cyclone separation	Up to 98 % (before the filter)
Motor type (standard)	Bypass
Motor type (optional)	Brushless (BLSD) - longer life
Power	1.2 kW / 1200 W (BLSD: 1.1 kW / 1100 W)
Voltage	220-240 V, 50/60 Hz, single phase
Current	5 A (bypass) / 8 A (BLSD)
Air flow	194 m ³ /h (bypass) / 216 m ³ /h (BLSD)
Vacuum pressure	2504 mmH ₂ O (bypass) / 2250 mmH ₂ O (BLSD)
Sound level	72 dB(A)
Suction inlet	Ø 50 mm (2" camlock)
Collection tank	25 L - detachable, stainless steel 304
Cord length	10.6 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