

3D PRINTING • DRY RECOVERY • ORDINARY LOCATION (ORDLOC)

2D-10 (4W) HEPA ORDLOC

Electric dry vacuum for the safe collection of combustible plastic and metal powder from 3D printing in ordinary, unclassified locations. HEPA H14, ESD-safe conductive accessories and stainless steel SAE 430 as standard — 3D tool kit included.

- HEPA H14 — 99.995 % at 0.3 µm • EN 1822 • IEST-RP-CC001
- ORDLOC — certified for safe use with combustible dust in ordinary locations
- ESD safe — conductive accessories and conductive disposable bags included
- Stainless steel SAE 430 tank • IP5X dust protection
- Bypass motor 1.2 kW • 194 m³/h • brushless motor available
- CE • Machinery Directive 2006/42/EC • Complete 3D tool kit included



Tiger-Vac 2D-10 (4W) HEPA ORDLOC — dry vacuum for combustible plastic and metal powder from 3D printing

HEPA H14 — EN 1822 / IEST-RP-CC001 • CE — Machinery Directive 2006/42/EC • CE — Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU • ORDLOC — EN 1127-1:2019 • IEC TS 60079-32-1:2013 • ISO 8031:2020

Quick facts	
Filter	HEPA H14
Filter efficiency	99.995 %
Location	ORDLOC (ordinary)
Airflow	194 m³/h
Vacuum pressure	2504 mmH ₂ O
Motor type	2-stage bypass
Power	1.2 kW
Noise level	75 dB(A)
Bag capacity	19 L
Suction inlet	Ø60 mm
Cord length	10.6 m
Voltage	220–240 V
ESD safe	Yes
Tank	SAE 430 stainless steel

HEPA H14 and ESD safety as standard

The 2D-10 (4W) HEPA ORDLOC is Tiger-Vac's dry vacuum for production environments handling combustible plastic and metal powder in ordinary, unclassified locations. With a HEPA H14 filter (99.995 % at 0.3 µm, tested in accordance with EN 1822 and IEST-RP-CC001) and a fully conductive accessory system, the unit is documented for the safe collection of combustible dust in ordinary locations — meaning all production areas that are not ATEX-zoned.

Every Tiger-Vac HEPA vacuum system undergoes an individual aerosol leak test before dispatch from the factory. This is not merely a product promise — it is documentation that accompanies the unit and confirms that the filter housing has been verified as leak-free, and that the stated filter efficiency has been measured on the specific unit the customer receives.

Stainless steel, conductive bags and filter blockage indicator

The tank is manufactured in stainless steel SAE 430, providing corrosion resistance and easy cleaning. The conductive disposable bag system (19 L) ensures that collected powder can be transferred for disposal without direct operator contact. A conductive poly liner (40 L) is included as a secondary containment barrier. The filter blockage indicator on the motor unit provides a visible signal when the HEPA filter is approaching capacity, preventing unplanned downtime.

The 1.2 kW bypass motor delivers 194 m³/h at 2504 mmH₂O vacuum — sufficient for high-volume collection directly at the 3D printer. For environments with longer motor service life requirements, a brushless motor is available as an option; this configuration is always supplied with two HEPA H14 filters. The unit runs on standard 220–240 V single phase and requires no special electrical installation.

Technical specifications

Parameter	Value
Filter class	HEPA H14 (EN 1822 / IEST-RP-CC001)
Filter efficiency	99.995 % at 0.3 µm (MPPS)
Aerosol leak test	Individual unit tested before dispatch — included
Motor type	2-stage heavy duty bypass
Power	1.2 kW / 1200 W
Voltage	220–240 V, 50/60 Hz, single phase
Current	5 A
Airflow	194 m³/h
Vacuum pressure	2504 mmH ₂ O
Noise level	75 dB(A)
Suction inlet	Ø60 mm
Recovery bag capacity	19 L (conductive disposable bag — included)
Wheel system	4-wheel dolly
Dimensions	H 86 × W 46 × L 48 cm
Cord length	10.6 m
Recovery type	Dry only
Dust protection	IP5X
Tank	Stainless steel SAE 430
ESD safe	Yes — conductive accessories included

Compliance and harmonised standards: Machinery Directive 2006/42/EC (EN 60204-1:2018, EN 60335-1:2012+amend.) • Low Voltage Directive 2014/35/EU (EN 60335-2-2:2010+amend.) • EMC Directive 2014/30/EU (EN 61000-6-2:2005, EN 61000-6-4:2007+A1) • Ignition hazard prevention: EN 1127-1:2019, IEC TS 60079-32-1:2013, ISO 8031:2020. EU Declaration of Conformity dated 27 May 2024.

Accessories



3D tool kit for 60 mm suction inlet — included

3D tool kit — 60 mm suction inlet



HEPA H14 filter for Tiger-Vac 2D-10 (4W) — included

HEPA H14 filter



Optional 3D tools for Tiger-Vac 2D-10 (4W) — optional

Optional 3D tools

CONTACT

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