

TIGER-VAC • CLEAN ROOM • DRY RECOVERY ONLY

Tiger-Vac CR-1200D

Pharma cleanroom dry vacuum in electropolished AISI 316 stainless steel. ULPA U15 + HEPA H14 dual filtration system. ISO Class 4 compatible, autoclavable and ESD safe — with individual aerosol leak test from factory.

- ULPA U15 exhaust filter: 99.999 % at 0.12 µm — tested to IEST-RP-CC001
- Upstream HEPA H14 protects the motor and extends ULPA filter service life
- Motor top and tank in AISI 316 — electropolished surface eliminates microscopic contamination traps
- Tank and white nylon wheels autoclavable up to 121 °C
- Filter blockage indicator — LED light warns when collection bag is full
- Complete unit aerosol leak tested before shipment from factory



Tiger-Vac CR-1200D pharma cleanroom dry vacuum in electropolished AISI 316 stainless steel

ULPA U15 — EN 1822 / IEST-RP-CC001 · HEPA H14 — EN 1822 · ISO Class 4 (ISO 14644-1) · CE — Machinery Directive 2006/42/EC · CE — Low Voltage Directive 2014/35/EU · EMC Directive 2014/30/EU

Quick facts	
Exhaust filter	ULPA U15
Primary filter	HEPA H14
Clean room	ISO Class 4
ULPA efficiency	99.9995 % at MPPS
Power	1 kW / 240 V
Air flow	204 m³/h
Sound level	70 dB(A)
Tank	9.8 L — AISI 316
Weight	16 kg
Recovery	Dry only
Surface finish	Electropolished
Autoclavable	Up to 121 °C

What is the Tiger-Vac CR-1200D?

The CR-1200D is Tiger-Vac's robust pharma cleanroom dry vacuum built entirely in stainless steel. Both the motor top and the recovery tank are manufactured in AISI 316 stainless steel with an electropolished finish — a surface treatment that eliminates microscopic crevices and irregularities where contamination could accumulate. The CR-1200D is designed specifically for the pharmaceutical, semiconductor and microelectronics industries and is compatible with ISO Class 4 (formerly US Fed. Std. 209E Class 10) as defined in ISO 14644-1.

What sets the CR-1200D apart from most competitors is its dual filtration system. An upstream HEPA H14 filter protects the motor and prevents ultrafine particles from reaching the ULPA filter prematurely — significantly

extending the ULPA filter service life. The downstream ULPA U15 exhaust filter ensures that all air leaving the vacuum meets cleanroom quality. The ULPA filter achieves 99.999 % efficiency at 0.12 µm and 99.9995 % at 0.18 µm (MPPS), tested and documented in accordance with IEST-RP-CC001.

Tiger-Vac performs an aerosol leak test on the complete assembled unit before shipment. This test verifies not only the filter itself but also the gaskets, joints and every component of the air path — and the results are documented. It is a level of assurance that few manufacturers offer as standard.

The filter blockage indicator light alerts the operator when the collection bag is approaching capacity, so the bag can be changed before airflow is significantly reduced. In high-frequency environments, this small detail prevents unplanned interruptions and ensures consistent suction performance throughout the shift.

Important usage restriction: The CR-1200D is designed exclusively for dry material recovery. The unit must not be used with liquids, slurry or wet material, as the suction motor is not protected against moisture. The designation “Dry Recovery Only” is part of the official product name and reflects this restriction explicitly.

Technical Specifications

Parameter	Value
Exhaust filter class	ULPA U15 (EN 1822 / IEST-RP-CC001)
ULPA filter efficiency	99.999 % at 0.12 µm • 99.9995 % at 0.18 µm (MPPS)
Primary filter (motor protection)	HEPA H14 — 99.995 % at 0.3 µm (EN 1822)
Collection filter	Synthetic disposable bag (9.5 L) • Class M (IEC 60335-2-69)
Cleanroom compatibility	ISO Class 4 (ISO 14644-1 • FED STD 209E Class 10)
Filter indicator	LED indicator for full collection bag
Motor type	Thru-Flow
Power	1 kW / 1000 W
Voltage	240 V, 50 Hz, single phase
Current	4.6 A
Air flow	204 m³/h
Vacuum pressure	2,410 mmH ₂ O
Sound level	70 dB(A)
Suction inlet	Ø38 mm
Recovery tank	9.8 L — stainless steel AISI 316
Disposable bag capacity	9.5 L (synthetic, white)
Wheel system	4-wheel dolly — autoclavable white nylon wheels
Static resistance	< 10 Ω (static dissipating)
Dimensions	H 71 × W 38 × L 41 cm
Weight (vacuum only)	16 kg
Cord length	10.6 m
Recovery type	Dry only
Autoclavable	Tank + white nylon wheels up to 121 °C
Material — motor top and tank	Stainless steel AISI 316, electropolished
Cable holder	Included — stainless steel

CE marking based on: EN 60204-1:2018 • EN 60335-1:2012 (A11:2014, A13:2017, A15:2021) • EN 60335-2-2:2010 (A11:2012, A1:2013) • EN 61000-6-2:2005 • EN 61000-6-4:2007 (A1:2011)

Accessories and Options

The CR-1200D is supplied with a ULPA U15 filter and a stainless steel cable holder as standard. Three tool kits are available as options — select the kit that matches your cleaning protocol and classification requirements.



ULPA U15 filter for Tiger-Vac CR-1200D, part no. 211027

ULPA U15 filter

Part no. 211027 • Included



Stainless steel cable holder for Tiger-Vac CR-1200D

Cable holder, stainless steel

Included



Autoclavable tool kit Kit 3 for Tiger-Vac CR-1200D, part no. 323604

Kit #3 — Autoclavable accessories

Part no. 323604 • Ø32 mm • Optional



ESD safe tool kit Kit 2 for Tiger-Vac CR-1200D, part no. 323602

Kit #2 — ESD safe accessories

Part no. 323602 • Ø32 mm • Optional



Standard tool kit Kit 1 for Tiger-Vac CR-1200D, part no. 323600

Kit #1 — Standard accessories

Part no. 323600 • Ø32 mm • Optional



Needle Trap accessory for Tiger-Vac CR-1200D

Needle Trap

Optional

Choosing the Right Accessories Kit

Kit #3 (autoclavable) is the right choice when accessories must be autoclaved together with the tank — the hose is EPDM, the wands are stainless steel and the nozzles are food-grade silicone. Kit #2 (ESD safe) is engineered for environments with electrostatic requirements: conductive plastic, conductive nylon brushes and an ESD-rated hose. Kit #1 (standard) covers routine cleaning and is the cost-neutral starting point. The separate Needle Trap mounts on the hose and captures sharp objects — needles, broken glass and similar — in a tubular chamber on the hose, so they never reach the vacuum and cannot puncture the collection bag or the filter. The stainless steel holding bracket (part no. 219098B) mounts the hose and cable neatly to a fixed workstation and is recommended when the vacuum is used in a dedicated area.

CONTACT

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