CLEAN ROOM • STAINLESS STEEL • DRY RECOVERY ONLY

Tiger-Vac CR-1000 (SS)

The Tiger-Vac CR-1000 (SS) is a compact pharma cleanroom vacuum with recovery tank, filter chamber and wheel base in autoclavable stainless steel Type 316. A 5-stage filtration system with ULPA U15 and HEPA H14 makes it compatible with ISO Class 4 cleanrooms, and at only 60 dB(A) at 2 m it is built for daily dry recovery in contamination-controlled environments.

- Stainless steel recovery tank, 15.1 L, with 8 L disposable bag
- ULPA U15 (99.999 % at 0.12 µm) + HEPA H14 (99.995 % at 0.3 µm) — both included
- 5-stage filtration — aerosol leak tested before delivery
- Cleanroom compatible with ISO Class 4 (former Class 10)
- Autoclavable stainless steel Type 316 (filter chamber, tank and wheel base)
- Low noise: 60 dB(A) at 2 m
- 3 optional Ø32 mm tool kits: Standard, ESD Safe, Autoclavable



Tiger-Vac CR-1000 (SS) cleanroom vacuum with stainless steel tank on four wheels

ULPA U15 — EN 1822 / IEST-RP-CC001 · HEPA H14 — EN 1822 (MPPS) / IEST-RP-CC001 · ISO Class 4 (ISO 14644-1) · Stainless steel Type 316 — autoclavable · CE — Machinery Directive 2006/42/EC

Quick facts	
Filter	ULPA U15 + HEPA H14
ULPA efficiency	99.999 % at 0.12 µm
Cleanroom	ISO Class 4
Material	Stainless steel 316
Collection	Tank 15.1 L / bag 8 L
Power	1 kW / 240 V, 50 Hz
Air flow	163 m³/h
Noise	60 dB(A) at 2 m
Weight	13 kg
Recovery	Dry only
Autoclavable	Yes (chamber, tank, base)

What is the Tiger-Vac CR-1000 (SS)?

The CR-1000 (SS) — where SS stands for stainless steel — is Tiger-Vac's compact cleanroom vacuum for dry recovery in pharma and other contamination-controlled environments. It is cleanroom compatible with ISO Class 4 (former Class 10) and runs on a 1 kW Thru-Flow motor.

Dust is collected in an 8-litre disposable bag inside a 15.1-litre recovery tank in stainless steel Type 316. The tank, filter chamber and wheel base are all stainless steel Type 316 and can be autoclaved. The vacuum sits on a 4-wheel dolly and is easy to move between rooms.

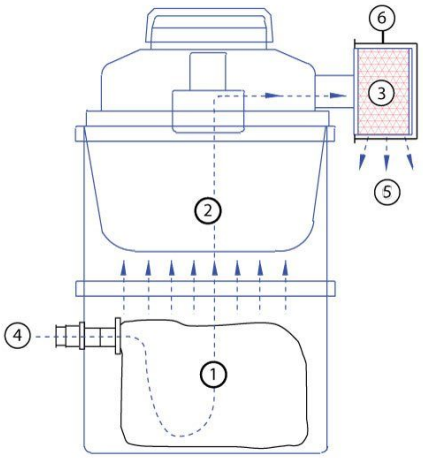
The 5-stage filtration system consists of the disposable bag, a PTFE laminated main cloth filter, a safety filter, a HEPA H14 filter (99.995 % at 0.3 µm) and a ULPA U15 exhaust filter (99.999 % at 0.12 µm). All filters are included, and every unit is aerosol leak tested at Tiger-Vac before leaving the factory. Available in two versions:

111989 without and 111990 with a ULPA filter protector housing.

Important use restriction: The CR-1000 (SS) is for dry recovery only. It must not be used for liquids or wet material. If potent compounds must be collected in a sealed single-use container, the sister model CR-1000 (CV) is the right choice.



PTFE laminated main cloth filter for Tiger-Vac CR-1000 (SS)



Airflow schematic for Tiger-Vac CR-1000 (SS) — 5-stage filtration

Technical specifications

Parameter	Value
Construction	Stainless steel Type 316 (filter chamber, tank, wheel base)
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)
HEPA filter efficiency (H14)	99.995 % at 0.3 µm • H14 per EN 1822 (MPPS)
Filtration	5-stage: disposable bag + PTFE laminated main cloth filter + safety filter + HEPA H14 + ULPA U15
Recovery tank	15.1 L stainless steel with 8 L disposable bag
Cleanroom compatibility	ISO Class 4 (ISO 14644-1)
Versions	111989 without / 111990 with ULPA filter protector housing

Parameter	Value
Motor type	Thru-Flow
Power	1 kW / 1000 W
Voltage	240 V, 50 Hz, single phase
Current	4.3 A
Air flow	163 m³/h
Vacuum pressure	2,510 mmH_2O
Noise level	60 dB(A) at 2 m
Suction inlet	Ø38 mm
Dimensions	H 74 × W 36 × L 53 cm
Weight (vacuum only)	13 kg
Cord length	10 m
Recovery type	Dry only
Autoclavable	Yes — filter chamber, tank and wheel base (stainless steel Type 316)

CE marking (EU declaration of conformity for CR-1000, 26-04-2024) based on: EN 60204-1:2018 • EN 60335-1:2012 (A11:2014, A13:2017, A15:2021) • EN 60335-2-69:2012 • EN 60335-2-2:2010 (A11:2012, A1:2013) • EN 61000-6-2:2005 • EN 61000-6-4:2007 (A1:2011). Specifications are subject to change without notice.

Filters and accessories

The CR-1000 (SS) is supplied with ULPA U15 filter, HEPA H14 filter with safety filter, PTFE laminated main cloth filter and disposable bags. Three optional tool kits are available for Ø32 mm (1.25″).



HEPA H14 filter with safety filter for CR-1000 (SS)

HEPA H14 filter + safety filter

Part no. 212303 + 212303F2 • Included



PTFE laminated main cloth filter for CR-1000 (SS)

PTFE laminated main cloth filter

Part no. 212503T • Included

Disposable bags, 8 L

Part no. 212500 (pack of 5) • Included



Standard tool kit for CR-1000 (SS)

Tool kit #1 — Standard

Part no. 323600 • Optional • Ø32 mm



ESD safe tool kit for CR-1000 (SS)

Tool kit #2 — ESD Safe

Part no. 323602 • Optional • Ø32 mm



Autoclavable tool kit for CR-1000 (SS)

Tool kit #3 — Autoclavable

Part no. 323604 • Optional • Ø32 mm

CONTACT
Particulair — Life Science Hub
Nordic specialist in industrial vacuum for pharma & life science
Højtoften 12, 2690 Karlslunde, Denmark
Tel: +45 70 23 12 03 · sales@particulair.com · particulair.eu/life-science/