

CLEAN ROOM • DRY RECOVERY

# Tiger-Vac CR-1 ULPA

ISO Class 4 compatible cleanroom vacuum with ULPA U15 filter and three-stage filtration. Designed for pharmaceutical manufacturing, laboratories and all environments where even minimal particle leakage is critical.

- ULPA U15 — 99.9995 % at MPPS, aerosol leak tested
- Three-stage filtration: disposable filter bag + cloth filter + ULPA
- Only 9 kg — lightweight and mobile on 4-wheel stand
- 60 dB(A) — low noise for prolonged use
- Easy-to-clean white ABS body — stainless steel as option
- Thru-Flow motor — all air filtered before exhaust
- Designed for Life Science and cleanroom environments



Tiger-Vac CR-1 ULPA cleanroom vacuum with ULPA filter for pharmaceutical manufacturing

ULPA U15 — EN 1822 / IEST-RP-CC001 · 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  |                   |
|--------------|-------------------|
| Filter class | ULPA U15          |
| Cleanroom    | ISO Class 4       |
| Efficiency   | 99.9995 % at MPPS |
| Power        | 1 kW / 240 V      |
| Air flow     | 163 m³/h          |
| Noise        | 60 dB(A) @ 2 m    |
| Tank         | 15.1 L            |
| Weight       | 9 kg              |
| Recovery     | Dry only          |
| Wheels       | 4-wheel stand     |

## What is the Tiger-Vac CR-1 ULPA?

The CR-1 ULPA is a compact, mobile cleanroom vacuum cleaner from Tiger-Vac, designed specifically for contamination-controlled environments in pharmaceutical manufacturing, laboratories and the semiconductor industry. The model is compatible with ISO Class 4 (formerly US Fed. Std. 209E Class 10) and therefore meets the requirements for cleaning in the most stringently classified production zones.

The vacuum's three-stage filtration system consists of a synthetic disposable filter bag, a primary cloth filter and a ULPA U15 final filter. The ULPA filter retains at least 99.9995 % of all particles at MPPS (Most Penetrating Particle Size) and is individually aerosol leak tested before leaving the factory. This is a guarantee that few competitors routinely offer.

The Thru-Flow motor ensures that all air — including the cooling air — passes through the ULPA filter before being exhausted into the room. There are therefore no uncontrolled particle sources in the vacuum's airstream. The noise level is just 60 dB(A) at 2 metres, which is markedly lower than comparable models and important in environments with prolonged use.

**Important use restriction:** The CR-1 ULPA is designed exclusively for the collection of dry particles and dust. The model must not be used for liquids, slurry or wet material, as the suction motor is not protected against moisture. For combined dry and wet recovery in cleanroom environments, the CR-1300WD or an equivalent wet/dry model is recommended.

## Technical specifications

| Parameter               | Value                                                        |
|-------------------------|--------------------------------------------------------------|
| Filter class            | ULPA U15 (EN 1822 / IEST-RP-CC001)                           |
| Filter efficiency       | 99.999 % at 0.12 µm • 99.9995 % at 0.18 µm (MPPS)            |
| Cleanroom compatibility | ISO Class 4 (ISO 14644-1)                                    |
| Filtration              | 3-stage: disposable filter bag + primary cloth filter + ULPA |
| Motor type              | Thru-Flow, heavy-duty                                        |
| 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 <sub>2</sub> O                                     |
| Noise level             | 60 dB(A) at 2 m                                              |
| Suction inlet           | Ø38 mm                                                       |
| Recovery tank           | 15.1 L (plastic standard • stainless steel SAE 430 option)   |
| Disposable bag capacity | 8 L                                                          |
| Wheel system            | 4-wheel stand                                                |
| Dimensions              | H 56 × W 41 × L 41 cm                                        |
| Weight (vacuum only)    | 9 kg                                                         |
| Cord length             | 10 m                                                         |
| Recovery type           | Dry only                                                     |

**CE marking 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 61000-6-1:2007 • EN 61000-6-3:2007 (A1:2011)

## Included accessories

The CR-1 ULPA is supplied complete with all necessary filters and a full accessory kit. All components are designed for cleanroom use.



ULPA U15 filter for Tiger-Vac CR-1 ULPA, part no. 212304

ULPA U15 filter

Part no. 212304 • Included



Synthetic disposable filter bags for CR-1 ULPA, pack of 5, part no. 212500

Synthetic filter bags (5 pcs.)

Part no. 212500 • Included



Complete accessory kit for Tiger-Vac CR-1 ULPA, part no. 323495

Complete accessory kit

Part no. 323495 • Included



Tiger-Vac CR-1 ULPA with stainless steel SAE 430 tank option

Stainless steel tank (SAE 430)

Option



HEPA/ULPA filter housing for Tiger-Vac CR-1 ULPA, part no. 214860

ULPA filter housing

Part no. 214860 • Option

## Options and upgrades

The CR-1 ULPA can be supplied with a stainless steel tank (SAE 430) instead of the standard plastic tank — relevant when the cleaning protocol requires aggressive chemical disinfection or autoclaving of the tank. The filter housing (part no. 214860) is also available as an option; it encloses the ULPA filter, provides better protection and makes replacement more secure.

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## 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](mailto:sales@particulair.com) · [particulair.eu/life-science/](https://particulair.eu/life-science/)