

TIGER-VAC – CLEAN ROOM

CWR-10 (PHARMA)

Pharma-grade wet and dry recovery vacuum in electropolished stainless steel with ULPA U15 filtration – purpose-built for the recovery of broken ampules and glass fragments in ISO Class 4 cleanrooms.

- Designed for the recovery of broken ampules and glass fragments
- Wet and dry recovery – 28.5 L liquid + 15.1 L dry
- ULPA U15 – 99.9995 % efficiency at MPPS (EN 1822)
- Autoclavable sieve basket in electropolished AISI 304 with stainless steel mesh filter
- ESD safe (< 10 ohm) and EMI/RFI shielded
- Individually aerosol leak tested before delivery – included



Tiger-Vac CWR-10 PHARMA wet/dry vacuum in electropolished stainless steel for pharmaceutical use

CE marked – Machinery Directive 2006/42/EC · EN 60335-2-69 – Class H · IEST-RP-CC001 – ULPA U15 · EN 1822 – Tested at MPPS · GMP compatible · ISO 14644-1 – Class 4

Quick facts	
Cleanroom	ISO Class 4
Filter	ULPA U15
Efficiency	99.9995 % (MPPS)
Air flow	189 m³/h
Vacuum pressure	2,180 mmH ₂ O
Motor	2-stage bypass
Liquid tank	28.5 L
Dry tank	15.1 L
Suction inlet	Ø50 mm
Weight	35 kg
Sound	75 dB(A)
Power supply	240 V / 50 Hz

Built for pharmaceutical production where every glass fragment counts

The CWR-10 (PHARMA) is a robust two-stage bypass vacuum in electropolished AISI 304/316 stainless steel, engineered for demanding wet and dry recovery tasks in pharmaceutical manufacturing environments. Its ULPA U15 filter delivers a filtration efficiency of 99.9995% at MPPS, and every unit is individually aerosol leak tested before leaving the factory – ensuring cleanroom compatibility at ISO Class 4.

The autoclavable sieve basket with stainless steel mesh filter makes the machine particularly well suited for the safe recovery of broken ampules, glass fragments and liquid spillages in a single operation. The recovery system consists of an electropolished stainless steel tank with a capacity of 28.5 L for liquids and 15.1 L for dry material.

The machine is ESD safe (< 10 ohm) and EMI/RFI shielded, making it suitable for use near sensitive electronic process equipment.

Mounted on a 4-wheel dolly for easy maneuverability, the vacuum can be moved quickly between workstations. A complete accessories kit in pharmaceutical-grade materials is included at delivery.

Filter configuration and filtration

The filtration system operates in two stages. In the first stage, larger particles and liquid are intercepted by the sieve basket assembly with its stainless steel mesh filter and the mesh filter with clamp. In the second stage, the ULPA U15 filter cleans the exhaust air to a filtration efficiency of 99.9995% at the most penetrating particle size (MPPS) of 0.18 µm, and 99.999% at 0.12 µm. The filter is tested in accordance with IEST-RP-CC001 and classified U15 by the MPPS method as per EN 1822.

Every ULPA vacuum system from Tiger-Vac is individually aerosol leak tested before delivery — a test that verifies the filter, the filter housing and all seals and joints in the airpath. The test result accompanies the machine at delivery.

Please note: The CWR-10 (PHARMA) is not ATEX certified and must not be used in explosive atmospheres. ESD safety and EMI/RFI shielding do not substitute for ATEX certification. For recovery of potent or cytotoxic compounds (OEB 4–5), we recommend the CR-1000 (CV) or CWR-10 EX (CV) with sealed containment canister.

Technical specifications

Parameter	Value
Part number (EU plug)	110535B
Motor type	2-stage bypass
Power	1,050 W / 1 kW
Voltage	240 V, 50 Hz, single phase
Amperage	5 A
Air flow	189 m³/h
Vacuum pressure	2,180 mmH ₂ O
Sound level	75 dB(A)
Suction inlet	Ø50 mm
Dry recovery capacity	15.1 L
Liquid recovery capacity	28.5 L
Wheel system	4-wheel dolly
Height × width	99 × 43 cm
Weight (without accessories)	35 kg
Cord length	10.6 m
Material (housing + tank)	Electropolished AISI 304/316
Cleanroom compatibility	ISO Class 4 (ISO 14644-1)
Filter class EU	Class H (EN 60335-2-69)
Filter class USA	ULPA U15 (IEST-RP-CC001)
Filtration efficiency	99.9995 % at 0.18 µm (MPPS)

Included accessories

The CWR-10 (PHARMA) is delivered with a complete pharmaceutical-grade accessories kit. All components are in electropolished AISI 304 stainless steel or food-grade silicone.



CWR-10 PHARMA autoclavable sieve basket in electropolished AISI 304

Autoclavable sieve basket

Part no. 214979A • Included



Stainless steel mesh filter with clamp for CWR-10 PHARMA

Stainless steel mesh filter with clamp

Part no. 213434 • Included



CWR-10 PHARMA complete pharmaceutical-grade accessories kit

Complete accessories kit

Included



ULPA U15 filter for Tiger-Vac CWR-10 PHARMA, part no. 211027

ULPA U15 filter

Part no. 211027 • Included



Needle trap optional accessory for CWR-10 PHARMA, part no. 215500

Needle trap

Part no. 215500 • Optional

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/