

WHITE LINE · LARGE WET VACUUM · ISO CLASS 4

Tiger-Vac CWR-ARU-15 (TC) POLY MRAC

Large electric ULPA U15 wet vacuum for safe recovery of acids and corrosive liquids in pharmaceutical production environments and cleanrooms classified to ISO Class 4. 47.3-litre acid-resistant polyethylene tank, EMI/RFI shielding and optional activated carbon filtration for chloride and acid vapour adsorption.

- ULPA U15 — 99.999% at 0.12 µm (EN 1822 / IEST-RP-CC001) — aerosol leak-tested
- ISO Class 4 compatible (ISO 14644-1)
- 47.3 L acid-resistant polyethylene tank with tilt cart (TC)
- EMI/RFI shielded — suitable for use near sensitive analytical equipment
- Optional activated carbon filter — 4 types incl. KINA 3® for chloride and acid vapours
- Heavy duty 2-stage bypass motor — 1 kW / 240 V — air flow 189 m³/h



Tiger-Vac CWR-ARU-15 (TC) POLY MRAC — ULPA U15 wet vacuum for acids and corrosive liquids

ULPA U15 — EN 1822 / IEST-RP-CC001 · ISO Class 4 (ISO 14644-1) · EMI/RFI shielded · CE — Machinery Directive 2006/42/EC · Acid-resistant polyethylene, nylon and PVC

Quick facts	
Filter	ULPA U15
ULPA efficiency	99.999% at 0.12 µm
Cleanroom	ISO Class 4
Power	1 kW / 240 V
Air flow	189 m³/h
Vacuum	2,180 mmH ₂ O
Sound	75 dB(A)
Tank	47.3 L · Polyethylene
Weight	49 kg
ATEX	Not certified

What is the Tiger-Vac CWR-ARU-15 (TC) POLY MRAC?

The CWR-ARU-15 (TC) POLY MRAC is an electric wet vacuum from Tiger-Vac, designed for pharmaceutical production environments and cleanrooms classified to ISO Class 4, where safe recovery of acids, corrosive liquids and potentially hazardous fluids is required. The ULPA U15 filter — tested per IEST-RP-CC001 and EN 1822, with 99.999% efficiency at 0.12 µm — is individually aerosol leak-tested before leaving the factory. The acid-resistant polyethylene tank holds 47.3 litres, and EMI/RFI shielding makes the vacuum suitable for use near sensitive electronic and analytical equipment.

The designation MRAC stands for Manual Reset Automatic Cleaning, and POLY for the polyethylene tank. The tilt cart (TC) allows the operator to tip the tank forward for emptying and cleaning without lifting the heavy machine. The heavy duty 2-stage bypass motor delivers an air flow of 189 m³/h at a maximum vacuum pressure of 2,180 mmH₂O.

For handling chlorides, hydrogen fluoride (HF), hydrochloric acid (HCl) and other acid vapours, an optional activated carbon filter can be fitted. Four carbon types are available: standard activated carbon, Mersorb® for mercury vapours, KINA 3®/KOGC3 for chloride and acid vapours, and A-3 for arsine and phosphine. The carbon cartridge is placed between the liquid filter and the ULPA filter and requires a flanged ring assembly when the carbon cartridge is not fitted.

Important: The CWR-ARU-15 (TC) POLY MRAC is not ATEX-certified and must not be used in explosive atmospheres (Zone 0, 1, 2, 20, 21 or 22). For ATEX-classified areas involving acids and corrosive liquids, see the Tiger-Vac SS-ARU-15 EX (TC) MRAC.

Technical specifications

Parameter	Value
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)
Cleanroom compatibility	ISO Class 4 (ISO 14644-1)
Motor type	Bypass (heavy duty 2-stage)
Power	1,050 W / 1 kW
Voltage	240 V, 50 Hz, single phase
Amperage	5 A
Air flow	189 m³/h
Vacuum pressure max	2,180 mmH ₂ O
Sound level	75 dB(A)
Suction inlet	Ø38 mm (1.5")
Liquid recovery capacity	47.3 L
Recovery type	Wet only
Tank material	Acid-resistant polyethylene
Cord length	10.6 m
Dimensions (LxWxH)	69 × 76 × 122 cm
Weight	49 kg
EMI/RFI shielding	Yes
ATEX	Not ATEX-certified

Included accessories



Tool kit included with CWR-ARU-15 (TC) POLY MRAC

Tool kit

Included • Hoses, wands and nozzles



ULPA U15 filter included with CWR-ARU-15 (TC) POLY MRAC

ULPA U15 filter

Part no. 211027B • Included



Liquid retention filter included

Liquid retention filter

Part no. 211749 • Included



Activated carbon cartridge — optional for CWR-ARU-15 (TC) POLY MRAC

Activated carbon cartridge

Part no. 212200B/C/K/L • Optional • 4 carbon types

Options

- **Activated carbon cartridge — standard (part no. 212200B)** — 3 mm activated carbon for general vapour adsorption
- **Activated carbon cartridge — Mersorb® (part no. 212200C)** — for mercury vapours
- **Activated carbon cartridge — KINA 3®/KOGC3 (part no. 212200K)** — for chloride and acid vapours (HF, HCl etc.)
- **Activated carbon cartridge — A-3 (part no. 212200L)** — for arsine and phosphine vapours
- **Flanged ring assembly (part no. 213673)** — required when the carbon cartridge is not fitted
- **Cloth filter for dry recovery (part no. 211430)** — for dry recovery applications
- **Nylon wand 48" for ARU (part no. 381352)** — 1.2 m extension
- **Floor tool (part no. 381380)** — 36 cm ABS with nylon brushes

CONTACT

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