

ATEX AREAS • ZONE 1 / ZONE 21 • ACID WET VACUUM

Tiger-Vac SS-ARU-15 EX (TC) MRAC

Pneumatic acid wet vacuum for ATEX Zone 1 and Zone 21 — built for safe recovery of corrosive liquids and acids in hazardous gas areas. Static dissipative and grounded, with HEPA filtration and optional activated carbon cartridges for chloride and acid vapour adsorption.

- ATEX II 2GD — Zone 1 (gas, Cat. 2G) + Zone 21 (dust, Cat. 2D)
- Third-party ATEX-certified: LCIE 03 ATEX 6310 X
- HEPA filter — 99.995% at 0.3 µm — included
- Pneumatic (single Venturi 6 mm) — no electrical components in the zone
- Static dissipative and grounded — acid-resistant polyethylene, nylon and PVC
- 47.3 L tank with tilt cart (TC) — vacuum 4,320 mmH₂O



Tiger-Vac SS-ARU-15 EX (TC) MRAC — pneumatic acid wet vacuum for ATEX Zone 1 and Zone 21

ATEX II 2GD — Ex h IIC T6 Gb / Ex h IIIC T85°C Db · LCIE 03 ATEX 6310 X (third-party) · HEPA 99.995% at 0.3 µm · Directive 2014/34/EU (ATEX) · EN ISO 80079-36:2016

Quick facts	
ATEX	II 2GD — Zone 1 + 21
Certification	LCIE 03 ATEX 6310 X
Filter	HEPA 99.995%
Power source	Pneumatic (Venturi)
Air flow	187 m³/h
Vacuum	4,320 mmH ₂ O
Tank	47.3 L · PE/nylon/PVC
Grounding	Static dissipative
Min. compressor	15 HP @ 5.5 bar

What is the Tiger-Vac SS-ARU-15 EX (TC) MRAC?

The SS-ARU-15 EX (TC) MRAC is a pneumatic wet vacuum from Tiger-Vac, built for safe recovery of acids, corrosive liquids and corrosive compounds in hazardous areas classified to ATEX Zone 1 (gas) and Zone 21 (combustible dust). The machine is third-party ATEX-certified by LCIE (Bureau Veritas) under certificate number LCIE 03 ATEX 6310 X and carries the marking II 2GD / Ex h IIC T6 Gb / Ex h IIIC T85°C Db.

Because the machine is pneumatically driven via a single Venturi with a 6 mm nozzle, there are no electrical components in the hazardous zone. Compressed air is supplied through a ½" (12.7 mm) air line from a compressor rated at a minimum of 15 HP. At an input pressure of 5.5 bar the machine delivers an air volume of 21.2 L/s, an air flow of 187 m³/h and a vacuum pressure of up to 4,320 mmH₂O — significantly higher than the electric CWR-ARU-15 (2,180 mmH₂O).

The entire construction is static dissipative and grounded to eliminate the risk of spark formation. The tank and wetted parts are manufactured from acid-resistant polyethylene, nylon and PVC. The HEPA filter retains 99.995% of particles at 0.3 µm and is included. For handling chlorides, hydrogen fluoride (HF), hydrochloric acid

(HCl) and other acid vapours, an optional activated carbon filter can be fitted, with four carbon types available.

Compressor requirement: The SS-ARU-15 EX requires a compressor rated at a minimum of 15 HP with an operating pressure of at least 5.5 bar. The compressor must be located outside the classified zone unless it is itself ATEX-certified.

Technical specifications

Parameter	Value
ATEX marking	II 2GD / Ex h IIC T6 Gb / Ex h IIIC T85°C Db
ATEX certification	LCIE 03 ATEX 6310 X (third-party)
Zone (gas)	Zone 1 (Category 2G)
Zone (dust)	Zone 21 (Category 2D)
HEPA filter efficiency	99.995% at 0.3 µm
Power source	Pneumatic (single Venturi 6 mm)
Min. compressor	15 HP
Air line	½" (12.7 mm)
Input air volume	21.2 L/s at 5.5 bar
Air flow	187 m³/h
Vacuum pressure max	4,320 mmH ₂ O
Suction inlet	Ø38 mm
Liquid recovery capacity	47.3 L
Recovery type	Wet only
Tank material	Acid-resistant polyethylene, nylon and PVC
Static dissipative	Yes — grounded
Activated carbon filter	Optional (4 types)

Included accessories



EX tool kit included with SS-ARU-15 EX (TC) MRAC

EX tool kit

Included • Static conductive hoses, wands and nozzles



HEPA filter included with SS-ARU-15 EX (TC) MRAC

HEPA filter

Part no. 211027B • 99.995% at 0.3 μ m • Included



Liquid retention filter included

Liquid retention filter

Part no. 211749 • Included



Activated carbon cartridge — optional

Activated carbon cartridge

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



Grounding reel with stainless steel housing and cable — optional

Grounding reel

Optional • Stainless steel housing with cable

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
- **Grounding reel with stainless steel housing and cable** — external earth bonding for ATEX compliance

CONTACT

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