

ATEX • II 2GD • ZONE 1/21 • WET + DRY

EXP1-10/15 (4W) RE

ATEX-certified wet and dry vacuum for cleanrooms and pharmaceutical production. Two sizes with full HEPA H14 filtration and ESD-safe components. Ideal for ISO Class 4 environments.

- ATEX II 2GD — Zone 1 gas + Zone 21 dust
- HEPA H14, 99.995% at 0.3 µm — included
- Combined wet and dry collection
- ESD-safe wheels and filtration system



Tiger-Vac EXP1-10/15 (4W) RE — ATEX-certified wet and dry vacuum for cleanrooms

II 2GD — ATEX Directive 2014/34/EU · LCIE 03 ATEX 6297 — Notified body 0081 · Ex d IIA T3 Gb / Ex t IIIC T200°C Db IP6X · EN 17348 DT/LC — Combustible dust / Flammable liquids · IP6X

Quick Facts	
Certification	ATEX II 2GD
HEPA	H14 incl.
Collection	Wet + Dry
Cleanroom	ISO Class 4
Motor	1 kW TEFC
Airflow	224 m³/h
Current	4.5 A

About EXP1-10/15 (4W) RE

Tiger-Vac EXP1-10/15 (4W) RE is a flexible ATEX II 2GD-certified vacuum designed for pharmaceutical and cleanroom environments. The series comes in two sizes — EXP1-10 and EXP1-15 — offering ultimate choice in capacity without compromising on certification or filter efficiency.

The unit is certified under LCIE 03 ATEX 6297 for both gas and dust zones. Externally, it covers Zone 1 and 2 (gas, group IIA) as well as Zone 21 and 22 (dust). Internally, it meets EN 17348 DT/LC, meaning it can safely handle both combustible dust and flammable liquids — ideal for ISO Class 4 cleanrooms.

Both models are equipped with a 1 kW TEFC motor (230 V, single phase) delivering 224 m³/h airflow and up to 1,550 mmH₂O maximum vacuum. Filtration occurs in four stages: static dissipative pre-filter, static dissipative cloth filter, and HEPA H14 with 99.995% efficiency at 0.3 µm. Both sizes can be used for both wet and dry collection.

With ESD-safe wheels and a 4-wheel trolley format, the unit is easy to move between work stations. The 15-meter cord provides extended reach, and options for ULPA filter and conductive polyliner bag increase flexibility for specialized applications.

Technical Specifications

Parameter	Value
ATEX Certificate	LCIE 03 ATEX 6297
ATEX Marking	II 2GD
External Gas	Ex d IIA T3 Gb
External Dust	Ex t IIIC T200°C Db IP6X
Internal Classification	EN 17348 DT/LC
Temperature Range	-5°C to +37°C
Gas Zones	Zone 1, Zone 2
Dust Zones	Zone 21, Zone 22, Zone 20 (internal)
Motor Type	TEFC, single phase
Power	1 kW (1000 W)
Voltage	230 V, 50 Hz
Current	4.5 A
Airflow	224 m³/h
Max Vacuum	1,550 mmH ₂ O
Noise Level	78/85 dB(A)
Inlet	Ø38 mm
Trolley	4 wheels (ESD-safe)
Filter Cleaning	None
EXP1-10 (110249B)	
Dry Collection	22.7 L
Liquid Capacity	28.5 L
Height	84 cm
Width/Length	46 × 48 cm
Weight	31 kg
EXP1-15 (110251B)	
Dry Collection	38 L
Liquid Capacity	47.3 L
Height	97 cm
Width/Length	46 × 48 cm
Weight	37 kg
Filter Specifications (both models)	
HEPA Filter	H14, 99.995% at 0.3 µm — included
HEPA/ULPA Filter Area	6,500 cm²
Cloth Filter Area	3,480 cm²
ULPA Filter	Optional

Parameter	Value
Filter Configuration	Pre-filter (SD) + Cloth filter (SD) + HEPA H14
Cleanroom Class	ISO Class 4 (formerly Class 10)
Cord Length	15 m

Included Accessories

EXP1-15 Wet/Dry Version



Static dissipative tools and accessories (38 mm)

Tools & Accessories (38 mm, SD)



HEPA H14 filter included

HEPA H14 Filter (included)

Options

- **ULPA Filter** — Upgrade from HEPA H14 to ULPA for even higher filtration efficiency
- **Conductive Polyliner Bag** — Bag for simple and safe emptying of collected material

CONTACT

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