

ATEX · II 2GD · ZONE 1/21 · INDUSTRY'S SMALLEST CANISTER

EXP1-5 (4W) RE HEPA

ATEX certified dry vacuum cleaner. The industry's smallest ATEX-certified canister. Lightweight and portable — easy to move to the exact spot that needs cleaning. HEPA H14 included as standard.

- ATEX II 2GD — Zone 1 gas + Zone 21 dust
- Industry's smallest canister — lightweight and compact
- HEPA H14, 99.995% at 0.3 µm included
- Dry collection as standard — simple and safe handling



Tiger-Vac EXP1-5 (4W) RE HEPA - ATEX certified dry vacuum cleaner compact

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
Canister	Smallest on market
HEPA	H14 incl.
Collection	Dry only — 12.9 L
Motor	1 kW TEFC
Air Flow	224 m³/h
Weight	27 kg

About EXP1-5 (4W) RE HEPA

EXP1-5 (4W) RE HEPA is the smallest ATEX II 2GD certified canister vacuum on the market. Designed for flexibility and ease of handling, this model is the perfect solution for users who need to move the vacuum between work sites or work in smaller spaces.

With ATEX II 2GD certification under LCIE 03 ATEX 6297, the vacuum can be used in both gas and dust zones. Externally, it is approved for Zone 1 (gas, group IIA) and Zone 21 (dust), and thus also covers Zone 2 and Zone 22. Internally, it meets EN 17348 DT/LC — suitable for combustible dust and flammable liquids.

Dry dust is collected in a 12.9-liter container. Filtration occurs in three stages: a static dissipative pre-filter captures large particles, a static dissipative cloth filter buffers, and the HEPA H14 filter (99.995% at 0.3 µm) ensures maximum air quality. All filters are included as standard.

With a 1 kW TEFC motor (230 V, single phase), the vacuum delivers 224 m³/h airflow and up to 1.550 mmH₂O maximum vacuum. Mounted on 4 ESD-safe wheels, it is easy to move, weighs only 27 kg, and can be easily maneuvered to the spot that needs cleaning. The 15-meter power cord provides good reach.

Technical Specifications

Parameter	Value
ATEX Certification	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
Air Flow	224 m³/h
Max Vacuum	1.550 mmH ₂ O
Noise Level	78/85 dB(A)
Suction Inlet	Ø38 mm
Trolley	4 wheels (ESD-safe)
Filter Cleaning	None
Dry Collection	12.9 L
HEPA/ULPA Filter Area	3,480 cm²
Cloth Filter Area	2,900 cm²
HEPA Filter	H14, 99.995% at 0.3 µm — included
ULPA Filter	Optional
Filter Configuration	Pre-filter (SD) + Cloth filter (SD) + HEPA H14
Dimensions (L×W×H)	53 × 61 × 75 cm
Weight	27 kg
Power Cord Length	15 m

Included Accessories



Static dissipative tools (38 mm) included with EXP1-5 RE HEPA

Tools (SD) 38 mm



HEPA H14 filter included

HEPA H14 Filter



Static dissipative pre-filter included

Pre-Filter (SD)



Static dissipative cloth filter included

Cloth Filter (SD)

Options

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

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/