

ATEX · II 2GD · ZONE 1/21 · FLAME RETARDANT POWDER

EXP1-40L (4W) RE HEPA (FR-P)

ATEX-certified dry vacuum designed for unburnt gunpowder, lead, and pyrotechnic dust. Large 38-liter tank. HEPA H14 included as standard. Wet+dry variant available as option.

- ATEX II 2GD — Zone 1 gas + Zone 21 dust
- Flame Retardant Powder (FR-P) for hazardous dust
- HEPA H14, 99.995% at 0.3 µm included
- Large 38-liter tank — longer between emptying



Tiger-Vac EXP1-40L (4W) RE HEPA (FR-P) — ATEX-certified dry vacuum for flame retardant powder

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
Type	FR-P / FR-P W&D
HEPA	H14 incl.
Tank	38 L
Motor	1 kW TEFC
Airflow	224 m³/h
Weight	34.5 / 38 kg

About EXP1-40L (4W) RE HEPA (FR-P)

The EXP1-40L (4W) RE HEPA (FR-P) is a robust ATEX II 2GD-certified dry vacuum specifically designed to handle hazardous powders such as unburnt gunpowder, lead, and pyrotechnic materials. FR-P stands for Flame Retardant Powder, meaning this unit is optimized for these demanding applications in pharmaceutical and pyrotechnic industries.

With a large 38-liter tank, this model can collect substantial quantities of material before emptying is required. The vacuum is supplied as standard in a dry-only model (111334B), but a wet+dry variant (111335B, FR-P W&D) is also available as an option for applications where both collection types are necessary.

The machine is ATEX II 2GD-certified under LCIE 03 ATEX 6297 and can be used in Zone 1 (gas, IIA group) and Zone 21 (dust) externally. Internally, it meets EN 17348 DT/LC certification for combustible dust and flammable liquids.

The filter configuration consists of a static dissipative main cloth filter and a HEPA H14 filter (99.995% efficiency at 0.3 µm), both included as standard. A conductive polyliner recovery bag for safe and easy emptying is also included.

With its 1 kW TEFC motor (230 V, single phase), the vacuum delivers 224 m³/h airflow and up to 1,550 mmH₂O suction. Mounted on 4 ESD-safe wheels and equipped with a 15-meter cord, it is easy to maneuver in production environments.

Technical Specifications

Parameter	Dry (FR-P) — 111334B	Wet+Dry (FR-P W&D) — 111335B
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	
Motor type	TEFC, single phase	
Power	1 kW (1000 W)	
Voltage	230 V, 50 Hz	
Current	4.5 A	
Airflow	224 m³/h	
Max suction	1,550 mmH ₂ O	
Noise level	78/85 dB(A)	
Inlet	Ø50 mm	
Trolley	4 wheels (ESD-safe)	
Filter cleaning	None	
Dry collection	38 L	
Liquid capacity	—	38 L
HEPA filter	H14, 99.995% at 0.3 µm — included	
Filter configuration	Cloth filter (SD) + HEPA H14	
Conductive polyliner bag	Included	
Dimensions (L×W×H)	48 × 74 × 104 cm	61 × 53 × 104 cm
Weight	34.5 kg	38 kg
Cord length	15 m	

Included Accessories



Static dissipative tools and accessories (38 mm) included

Tools & Accessories (38 mm, SD)



Static dissipative cloth filter with cage included

Cloth Filter with Cage (SD)



HEPA H14 filter included

HEPA H14 Filter



Conductive polyliner recovery bag included

Conductive Polyliner Bag

Options

- **EXP1-40L (4W) RE HEPA (FR-P W&D)** — Wet+dry variant (111335B) for applications requiring both collection types

CONTACT

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