

ATEX • GAS ZONE 1 • DUST ZONE 21 • ISO CLASS 4

EXP1-10 (25L) DT RE HEPA MFS (SS-FOD CART)

Explosion proof industrial vacuum (ATEX II 2GD) with HEPA H14 exhaust filter, detachable 25 litre recovery tank and stainless steel cart with Foreign Object Debris (FOD) tool basket. Enclosed explosion proof motor for continuous duty. Manual filter shaker. Star-shaped main filter. Cleanroom compatible (ISO Class 4). Complete static dissipative tool kit included.

- ATEX II 2GD — Gas Zone 1 + Dust Zone 21
- Star-shaped main filter with cage for optimal airflow
- Manual filter shaker (MFS) for easy maintenance
- 25L detachable tank in stainless steel (SS 304)
- FOD tool basket in stainless steel prevents foreign objects
- ISO Class 4 cleanroom compatible
- Complete static dissipative tool kit and polyliner bags included



Tiger-Vac EXP1-10 (25L) DT RE HEPA MFS (SS-FOD CART) — ATEX explosion-proof vacuum with star-shaped filter and stainless steel cart

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 — Combustible dust · IP6X

Quick facts	
Certification	ATEX II 2GD
Gas zones	Zone 1/2
Dust zones	Zone 21/22
HEPA	H14 incl.
Tank	25 L, detachable
Motor	1 kW TEFC
Airflow	224 m³/h
FOD basket	SS 304 cart
Weight	45 kg

About EXP1-10 (25L) DT RE HEPA MFS (SS-FOD CART)

EXP1-10 (25L) DT RE HEPA MFS is a purpose-built explosion-proof vacuum designed for cleanrooms and pharmaceutical environments where safety from static discharge and foreign object contamination are critical. The FOD cart (Foreign Object Debris) is a stainless steel basket mounted on the frame that physically prevents loose tools, parts, and other items from falling into the recovery tank and contaminating the product being cleaned.

The vacuum is ATEX II 2GD-certified under LCIE 03 ATEX 6297 and can be used in both gas and dust zones. Externally, it is rated for Zone 1 (gas, group IIA) and Zone 21 (dust), also covering Zone 2 and Zone 22. Internally, it meets EN 17348 DT, suitable for combustible dust. The detachable tank in SS 304 can be removed in seconds without tools and emptied safely and cleanly.

The main filter is star-shaped with an integrated cage that provides optimal airflow and maximum filter area without adding bulk to the machine. The integrated manual filter shaker (MFS) allows light maintenance by gently

rocking a shaft on the outside of the filter housing, typically once per hour or as needed. With a 1 kW TEFC motor (230 V single-phase), the vacuum delivers 224 m³/h airflow and up to 1,550 mmH₂O vacuum — sufficient for both heavy and light particulates.

All components are stainless steel (SS 304, <10 ohms resistivity) or static dissipative material (filters, shelves), ensuring maximum electrostatic safety. Complete static dissipative tool kits and conductive polyliner bags for safe dust disposal are included as standard.

Technical specifications

Parameter	Value
ATEX certification	LCIE 03 ATEX 6297
ATEX classification	II 2GD
External gas	Ex d IIA T3 Gb
External dust	Ex t IIIC T200°C Db IP6X
Internal standard	EN 17348 DT
Gas zones	Zone 1, Zone 2
Dust zones	Zone 21, Zone 22, Zone 20 (internal)
Motor type	TEFC, single-phase, enclosed
Power	1 kW (1000 W)
Voltage	230 V, 50 Hz
Current	4.5 A
Max airflow	224 m³/h
Max vacuum	1.550 mmH ₂ O
Sound level	78/85 dB(A)
Suction inlet	50 mm
HEPA filter	H14 (99.995% at 0.3 µm), star-shaped with cage
Filter shaker	Manual (MFS)
Recovery tank	25 L, detachable, stainless steel SS 304
Material	All SS 304 components, resistivity <10 ohms
Dimensions	L66 × W66 × H109 cm
Weight	45 kg
Power cord	15 m
ISO class	ISO Class 4 compatible

Included



Complete static dissipative tool kit included

Static dissipative tool kit



Conductive polyliner bag for safe dust disposal included

Conductive polyliner bag



Star-shaped HEPA filter with cage included

Star filter with cage



HEPA H14 exhaust filter included

HEPA H14 exhaust filter

CONTACT

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