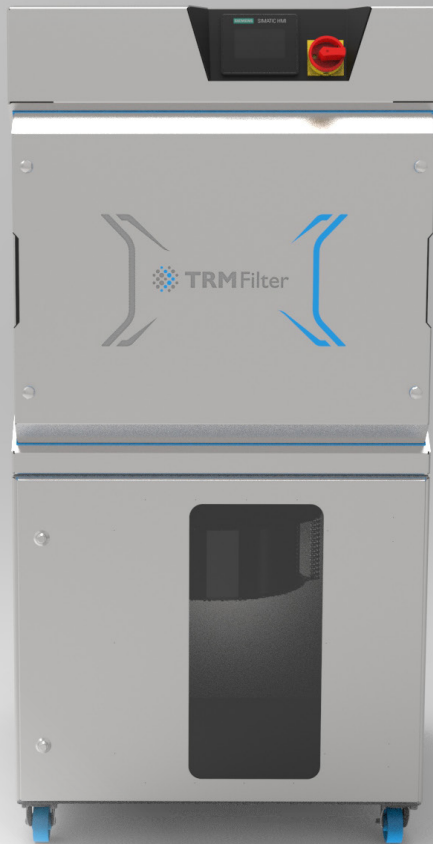


ECHone

1st mobile dust collection system
truly designed for
the pharmaceutical industry



Beyond the HEPA Filter

Are Your Operators Truly Protected?

In critical pharmaceutical processes like tablet compression and capsule filling, a standard vacuum cleaner is a hidden liability. Even with its HEPA filters installed, these systems have inherent vulnerabilities that jeopardize GMP compliance and expose operators to potent APIs.

ECH-One

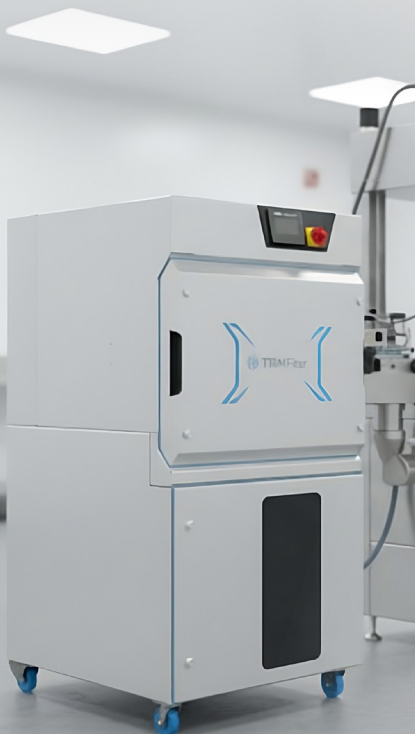
Your Compliance & Validation Shield

ECH-One is engineered specifically to eliminate GMP compliance and operator safety risks, providing a compact, safe, and validation-ready companion for your process equipment.

Engineered for Confidence

- **Validation-Ready Design:**
Features GMP-compliant, cleanable materials and HEPA filter integrity test ports (ISO 16170) for in-situ testing.
- **Guaranteed Containment:**
Every housing is individually leak-tested (ISO 10648-2). Available with OEB 5 containment for potent APIs (OEL > 0.9 µg/m³).
- **Uncompromised Safety:**
Triple-stage filtration with double HEPA safety filters and full ATEX/NFPA compliance for combustible dusts.
- **Plug & Play Simplicity:**
Fully electric with an integrated Siemens control system, ready to use in under 5 minutes.

ECHone



Technical Specifications

Features	
Size	159 × 99 × 78 cm (62 × 39 × 31")
Mobility	On castor wheels
Fan capacity	100 – 900 m ³ /h (60 – 530 cfm) @ 10 kPa (40 in. WC)
Flow regulation	VFD control with PID (dP) regulation
Air exhaust	Into room or outside via ductwork
No. of filter stages	2 (E12 + H14)
Explosion protection	Combustible dusts, MIE > 3 mJ, ATEX and NFPA compliant
Control system	Siemens with 4" HMI
Compliance	CE or UL
Connectivity	I/O hardwired, PROFINET, or OPC UA

Product Lines

- **BaseLine:**
Powder coated steel housing with a 15 L PE bag for dust extraction.
- **SafeLine:**
Adds Bag-In/Bag-Out (BIBO) containment (OEB3).
- **PureLine:**
Features a stainless-steel housing (Ra < 1.6) with BIBO (OEB3) for maximum GMP compliance.

Key Upgrade Options

- **High Containment (OEB4 & OEB5):** For uncompromised safety with toxic and highly potent APIs.
- **Additional Filtration:** Adds a 3rd HEPA (H14) filter stage for increased filtration reliability.
- **Constant Air Flow Regulation:** Ensures the most stable production conditions.
- **Advanced Connectivity:** Full integration with process equipment via PROFINET or OPC UA.

Take the Next Step

Your process deserves a dedicated, compliant air filtration solution.

Contact us to discuss your specific application or to request a formal quotation.

Learn more



Scan for more information, photos and contact details.

www.trm-filter.com/en/products/dust-collectors/ech-one



TRM Filter d.o.o.
Litijska cesta 261
SI-1261 Ljubljana Dobrunje
Slovenia

T +386 1 527 22 10
sales@trm-filter.com

www.trm-filter.com

PURE TRUST.