TIGER-VAC • CLEAN ROOM • CONTAINMENT VAC

Tiger-Vac MV-1CR (CV)

Pharmaceutical cleanroom vacuum with sealed containment HEPA filter for the collection of potent compounds. Available as backpack (BP), handheld (HH) and golfcart (GC). ULPA U15, EMI/RFI shielded and ESD safe. Compatible with ISO Class 4.

- Sealed containment HEPA H14 canister — operator never contacts the contents
- ULPA U15 — 99.999 % at 0.12 µm (IEST-RP-CC001)
- Available as backpack (BP), handheld (HH) and golfcart (GC)
- EMI/RFI shielded • ESD safe • below 10 ohm
- Stainless steel type 304 • 187 m³/h • 70 dB(A)
- ISO Class 4 • Pharmaceutical • Biohazard applications



Tiger-Vac MV-1CR (CV) series — backpack, handheld and golfcart models

ULPA U15 — IEST-RP-CC001 · HEPA H14 Containment filter · ISO Class 4 (ISO 14644-1) · ESD safe — below 10 ohm · CE — Machinery Directive 2006/42/EC · EMI/RFI shielded

Quick facts	
Containment filter	HEPA H14
Motor filter	ULPA U15
ISO class	Class 4
Power	1 kW / 240 V
Air flow	187 m³/h
Vacuum	1,750 mmH_2O
Sound	70 dB(A)
BP weight	8 kg
HH weight	5.4 kg
GC weight	6.8 kg
Recovery	Dry only
EMI/RFI	Shielded

Three models — one platform

The MV-1CR (CV) series is Tiger-Vac's most compact containment vacuum for pharmaceutical production and cleanroom environments. What distinguishes it from a conventional cleanroom vacuum is the sealed containment HEPA filter — a canister that captures and contains collected material, allowing disposal without operator exposure to the contents. The series is available in three configurations suited to different working situations: backpack (BP) for mobile use, handheld (HH) for precision tasks, and a golfcart (GC) for upright use with easy mobility. All three share the same motor, filtration system and electrical specifications.



Tiger-Vac MV-1CR (CVBP) backpack vacuum

BP — Backpack

Height: 64 cm • Weight: 8 kg
Containment: 1.1 L • Part 110744B



Tiger-Vac MV-1CR (CVHH) handheld model

HH — Handheld

Height: 51 cm • Weight: 5.4 kg
Containment: 0.4 L • Part 110745B



Tiger-Vac MV-1CR (CVGC) golfcart model

GC — Golfcart

Height: 91 cm • Weight: 6.8 kg
Containment: 1.1 L • Part 110748B

The containment system

The containment HEPA filter is the central element of the series. It functions as both collection chamber and final filter in a single unit: collected material is captured directly inside the sealed canister, which is rated HEPA H14. When the canister is full, it is removed whole and sealed and disposed of — the operator never needs to open it or come into contact with the contents. For the BP and GC models the canister capacity is 1.1 L (part 213260); for the HH model it is 0.4 L (part 215980).

Behind the containment canister sits the ULPA U15 filter (part 212073) as the motor protection filter. It retains 99.999 % of all particles at 0.12 µm (99.9995 % at 0.18 µm) and is supplied with a ground clip installed. The combination of sealed containment canister and downstream ULPA U15 provides two independent filtration stages — the containment canister handles the bulk collection; the ULPA filter protects the motor and ensures the exhaust air meets the required standard.

Technical specifications

Parameter	Value (all models)
Power	1,000 W / 1 kW
Voltage	240 V, 50 Hz, single phase
Current	4.2 A
Air flow	187 m³/h
Vacuum pressure	1,750 mmH_2O
Sound level	70 dB(A)
Suction inlet	38 mm
Cord length	10.6 m
Material	Stainless steel type 304
ESD	Static dissipating • below 10 ohm
EMI/RFI	Shielded

Parameter	Value (all models)
ISO class	Class 4 (ISO 14644-1)
Recovery	Dry only

Model	Height	W×D	Weight	Containment
BP (Backpack)	64 cm	30 × 23 cm	8 kg	1.1 L
HH (Handheld)	51 cm	30 × 23 cm	5.4 kg	0.4 L
GC (Golfcart)	91 cm	30 × 23 cm	6.8 kg	1.1 L

Included accessories and filters



Containment HEPA H14 filter for Tiger-Vac MV-1CR

Containment HEPA H14

213260 (BP/GC) • 215980 (HH) • Included



Included accessory kit for Tiger-Vac MV-1CR (CV)

Complete accessory kit

Included • See list below



Optional accessories for Tiger-Vac MV-1CR

Optional: steel wands, combi tool and floor tool

323331 • 323311A • 323317A

Standard contents include: ULPA U15 filter with ground clip (part 212073) • Containment HEPA H14 filter (part 213260/215980) • Motor dome filter (part 211623) • Suction hose SD 1.5 m (part 212070) • Micro tool kit ESD 32 mm (part 323316) • Round brush 32 mm ESD (part 323312A) • Round tool with rubber blades (part 323321A) • Upholstery flat tool 32 mm (part 323314A) • Crevice tool 32 mm (part 323313A) • Ground continuity tester (part 211065).

Optional: Containment ULPA filter BP/GC (part 213261) • Containment ULPA filter HH (part 215982) • Suction hose SD 3 m (part 212072) • Stainless steel wands 32 mm, set of 2 (part 323331) • Combi tool conductive plastic (part 323311A) • Floor tool with squeegee blades (part 323317A).

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/