

WHITE LINE • BATTERY-POWERED BACKPACK VACUUM • HEPA H14

Tiger-Vac T1-3L (BC) HEPA

Compact, quiet backpack vacuum with HEPA H14 filtration for daily cleaning in pharma and life science. Go anywhere — including walls, ceilings and equipment that conventional vacuums cannot reach.

- HEPA H14 — 99.995 % at 0.3 µm, aerosol leak tested before delivery
- 3-stage filtration: disposable bag + cloth filter + HEPA H14
- 7.3 kg including battery — no cords, no outlets, complete freedom of movement
- 54 dB(A) — remarkably quiet even during continuous cleaning
- Up to 45 min. run time — 55 min. battery available as option
- Up to 45 min. battery run time — covers a full cleaning interval without stopping
- Li-Po 10Ah battery + 10A charger included — fully recharged in 1 hour



Tiger-Vac T1-3L (BC) HEPA backpack vacuum with HEPA H14 filter for pharma and life science

HEPA H14 — EN 1822 / IEST-RP-CC001 · Aerosol leak tested before delivery · CE — Machinery Directive 2006/42/EC · EN 60335-2-69 — Class H · GMP compatible · Battery powered — 45 min. run time

Quick facts	
Battery run time	45 min.
Filter class	HEPA H14
Efficiency	99.995 % at MPPS
Power	0.3 kW / battery
Air flow	109 m³/h
Sound	54 dB(A)
Weight	7.3 kg
Bag capacity	3 L
Tank capacity	4 L
Recovery	Dry only
Operation	Cordless • 45 min.

What is the Tiger-Vac T1-3L (BC) HEPA?

The T1-3L (BC) HEPA is a backpack vacuum from Tiger-Vac designed for daily cleaning in pharmaceutical production, laboratories and other life science environments. The BP designation stands for BackPack — the vacuum unit is worn on the back using an ergonomic harness system, leaving the operator's hands free to clean walls, ceilings, equipment and hard-to-reach areas that are simply inaccessible with a conventional vacuum.

The filtration system works in three stages: a 3 L disposable paper bag captures the coarser particles, a cloth pre-filter catches the intermediate fraction, and a HEPA H14 final filter removes 99.995 % of particles at 0.3 µm (MPPS). The HEPA filter is tested to IEST-RP-CC001 and rated H14 by the MPPS method in accordance with EN 1822. Crucially, each complete vacuum unit is aerosol leak tested at the factory before despatch, confirming that the filter seals are intact and performance matches the specification.

The Thru-Flow motor ensures that all air — including the motor cooling air — passes through the HEPA filter before being returned to the room. There are no uncontrolled airstreams in the vacuum's design. At 60 dB(A), the T1-3L (BC) HEPA is remarkably quiet for a backpack vacuum with a 1.3 kW motor — an important quality in

environments where operators work for extended periods.

Battery operation in practice: With 45 minutes of run time and a 1-hour charge time, the BC model can run continuously across shifts when paired with a second battery. The standard Li-Po battery is rated for over 600 charge cycles, and a 55-minute battery rated for over 1,500 cycles is available as an upgrade.

Important use restriction: The T1-3L (BC) HEPA is designed exclusively for dry recovery of dust and particles. It must not be used for liquids or wet material, as the motor is not protected against moisture. Please contact us if your facility requires combined wet and dry recovery.

Technical specifications

Parameter	Value
Filter class	HEPA H14 (EN 1822 / IEST-RP-CC001)
Filter efficiency	99.995 % at 0.3 µm (MPPS)
Filtration	3-stage: paper bag + cloth filter + HEPA H14
Motor type	Thru-Flow, heavy duty
Power	0.3 kW / 330 W
Power source	Li-Po 10Ah battery (included) • 45 min. run time
Air flow	109 m³/h
Vacuum pressure	1,270 mm H ₂ O
Sound level	54 dB(A)
Suction inlet	Ø38 mm
Bag capacity	3 L (vacuum bag)
Tank capacity	4 L
Battery	Li-Po 10Ah, >600 cycles • Charger: 10A, 1 hour
Dimensions	H 61 × W 25 × D 25 cm
Weight (incl. battery)	7.3 kg
Recovery type	Dry only
Mounting	Backpack (BC) • Cordless

CE marking based on: EN 60335-2-69 • EN 1822 • IEST-RP-CC001 • Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU

Included accessories

The T1-3L (BC) HEPA is supplied complete with all necessary filters and a full accessories kit for cleaning floors, surfaces, machinery and inventory.



HEPA H14 filter for Tiger-Vac T1-3L HEPA, part no. 212303

HEPA H14 filter

Part no. 212303 • Included



Disposable paper filter bags for Tiger-Vac T1-3L, pack of 5, part no. 212075

Vacuum bags (5 pcs.)

Part no. 212075 • Included



Micro filter cartridge for Tiger-Vac T1-3L (not HEPA), part no. 217502

Micro filter cartridge

Part no. 217502 • Included (not HEPA)



Li-Po 10Ah battery and 10A charger for Tiger-Vac T1-3L (BC) HEPA

Li-Po battery + charger

10Ah • 45 min. run time • 1 hour charge • Included



Complete accessories kit for Tiger-Vac T1-3L backpack vacuum

Complete accessories kit

Hose, wands, tools • Included

Battery, cloth filter and vacuum bags

The cloth filter (part no. 217504) is a permanent fabric filter positioned between the disposable bag and the HEPA filter. It captures the mid-range particles that may pass through the bag, extending the service life of the HEPA filter. Vacuum bags (part no. 212075, pack of 5) seal when removed from the tank, preventing collected material from being dispersed when the bag is changed.

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/