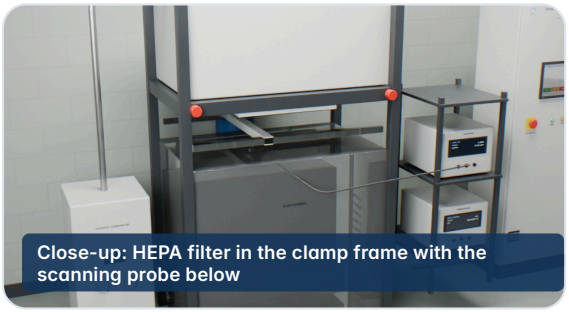
PRODUCT DATASHEET

# HEPA and ULPA Filter Test Bench (EN 1822, ISO 29463)

MPPS efficiency and leak scan testing of HEPA and ULPA filters

Product page





Close-up: HEPA filter in the clamp frame with the scanning probe below

## OVERVIEW

The Tech Inc. HEPA and ULPA Filter Test Bench (EN 1822, ISO 29463) tests high-efficiency air filters the way EN 1822 and ISO 29463 classify them. Test aerosol is mixed into the air above the filter, particle counters measure upstream and downstream concentrations to give the efficiency at the most penetrating particle size (MPPS), and a probe on a scanning gantry traverses the filter face to find local leaks.

## TYPICAL DESIGN DATA

| | |
|---|---|
| **Test methods** | EN 1822; ISO 29463 series (ISO 29463-1:2024) |
| **Aerosol** | DEHS or the aerosol your procedure specifies |
| **Particle counting** | Condensation or optical particle counters upstream and downstream, with dilution upstream |
| **Codes and standards** | EN 1822, ISO 29463 series; CE marking |
| **Scanning** | Probe traversed across the filter face on a gantry; local penetration mapped |
| **Results** | Efficiency at MPPS, class, pressure drop, leak map and a label for each filter |
| **Control** | PLC with touch-screen HMI and test software |

## MODELS AND CAPACITIES

- **TI-HFT-P** – production bench with automatic scanning
- **TI-HFT-L** – laboratory bench for media and filter development

Benches are built to the filter sizes and air flows you test.

## ORDERING CODE

Example **TI-HFT-P**: **P** type: P production bench, L laboratory bench.

## SCOPE OF SUPPLY

**Included:** factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** label printer and bar-code reader; media test holder; additional clamp frames; installation, commissioning and operator training.

## KEY ADVANTAGES

- **Both tests** – MPPS efficiency and leak scan on one bench
- **Automatic scanning** – probe traverses the face on a gantry
- **Record per filter** – class, scan map and label
- **Production or laboratory** – built to your use

**Designed and built by Tech Inc.** · **Part of the Davey Group since 1990**

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