

Three-Channel Filter Efficiency Testing Machine

This three-channel filter efficiency testing machine tests filtration efficiency and resistance. It is suitable for non-woven and glass fiber filter materials, as well as new filter materials.



Overview

Professional Filter Efficiency Testing

The Three-Channel Filter Efficiency Testing Machine is designed to evaluate the filtration efficiency and air resistance of various filter materials, including non-woven and glass fiber media. It provides high-precision testing capabilities suitable for research, development, and stringent quality control applications. By supporting multiple international standards, this instrument ensures reliable compliance for the respiratory and air filtration industries.

Technical Specifications

Test Flow Rates

- 32
- 85
- 95

Filter Test Area

100 cm²

Performance Metrics

Resistance Detection Range

0 Pa

Min Resistance

1250 Pa

Max Resistance

Efficiency Detection Range

85% - 99.999%

Aerosol Distribution Uniformity

10 %

Compliance Standards

Certified Standards

42CFR84-2005, EN149:2001, GB19083-2003, GB/T2626-2006, EN1822, IEST-RP-CC021.1

System Configuration

System Components

- Filter part
- Spray part
- Flow sharing section
- Filter installation part
- Detection, control and data processing output section
- Fan power part