



Fast and economical quality control and development of flat media with dust, oil or salt starting at 120 nm. Versions MFP 1000 HEPA for EN 1822-3 and ISO 29463-3

Benefits

- Particle size measurements from 120 nm
- Internationally comparable measurement results
- Widespread distribution of the measurement system
- High reproducibility of the testing method
- Easy use of different test aerosols, e.g. SAE Fine and Coarse, NaCl/KCl, DEHS
- Flexible filter test software FTControl
- Sequence programs for pressure loss measurements, measurements of fraction separation efficiency and burden measurements
- Easy to operate; even untrained personnel can be instructed quickly in the use of the equipment
- Short set-up times
- Cleaning and calibration can be performed autonomously by the customer
- Easy use of the measurement technology components – even in other applications
- Mobile setup, easy to move on castors
- Reliable operation
- Validation of the clear function of individual components and the overall system during pre-delivery acceptance testing and upon delivery
- Low-maintenance

Applications

- For filter media and small mini-filters
- product development and during production monitoring
- Fast and cost efficient testing of fractional efficiency with dust, oil or salt based on ISO 11155-1 (cabin air filters), ISO 5011 (engine pre-air filters), EN 779/ Ashrae 52.2/ ISO 16890 (room air filters),
- Within the version MFP 100 HEPA measurement of MPPS of HEPA/ ULPA filter media based on EN 1822 and ISO 29463-3

Model Variations



MFP 1000 HEPA
MFP 1000 HEPA with Promo® 1000
<https://www.palas.de/product/mfp1000hepa>

<https://www.palas.de/product/mfp1000>

Datasheet

Parameter	Description
Measurement range (size)	0.12 - 40 μm
Volume flow	1 - 35 m^3/h (pressurized operation)
Power supply	115/230 V, 50/60 Hz
Dimensions	approx. 600 • 1,800 • 900 mm (W • H • D)
Inflow velocity	5 - 100 cm/s (others on request)
Differential pressure measurement	0 - 2,500 Pa
Test area of the medium	100 cm^2
Aerosols	Dusts (e. g. SAE dusts), salts (e. g. NaCl, KCl), liquid aerosols (e. g. DEHS)
Aerosol concentrations	For SAE Fine without additional dilution up to 1,000 mg/m^3 (ISO A2 Fine)
Compressed air supply	6 - 8 bar

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