

# MFP NANO PLUS



Filter media test rig in accordance to DIN EN 1822-3 and ISO 29463-3 with U-SMPS for determination of MPPS range

## BENEFITS

- Particle size measurements from 10 nm
- Internationally comparable measurement results in accordance with DIN EN 1822-3 and ISO 29463-3
- Simple use of different test aerosols, such as NaCl / KCl or DEHS (others on request)
- Easily movable dilution cascades with factors of 10, 100, 1,000 and 10,000 for measurements with salt or DEHS
- Simple measurement of the fraction separation efficiency and determination of the MPPS range
- High reproducibility of the testing method
- Flexible filter test software FTControl
- Easy to operate, even untrained personnel can be instructed quickly in the use of the equipment
- Cleaning can be performed autonomously by the customer
- Short set-up times, fast throughput times
- Mobile setup, easy to move on castors
- Validation of the clear function of individual components and the overall system during pre-delivery acceptance testing and upon delivery
- Reliable operation
- Low-maintenance
- The unit will reduce your operating costs

## APPLICATIONS

- For filter media and small filter elements
- Product development and production control
- Test possibilities with regard to EN 1882-3 (HEPA/ULPA) and ISO 29463-3
- Fractional efficiency measurement in the range from approx. 20 nm up to 1  $\mu\text{m}$

## DATASHEET

Measurement range (size)	U-SMPS: 10 – 800 nm
Volume flow	0.48 – 5.76 m <sup>3</sup> /h - pressurized operation
Inflow velocity	1.3 – 16 cm/s (others on request)
Differential pressure measurement	0 – 2,500 Pa (others on request)
Aerosols	Dusts (e.g., SAE dusts), salts (e.g., NaCl, KCl), liquid aerosols (e.g., DEHS)
Compressed air supply	6 – 8 bar
Test area of the medium	100 cm <sup>2</sup>
Power supply	115 – 230 V, 50/60 Hz
Dimensions	Approx. 760 • 2,100 • 985 mm (W • H • D)



Mehr Informationen:  
<https://www.palas.de/product/mfpnanoplusmodel>