

PMFT 1000



Test of respiratory masks better than the standard. Exact analysis of filter mask efficiency from 100 nm up to 40 μm . SARS-CoV-2 size approx. 120 nm - 160 nm.

Benefits

- Test rig working principle better than GB 2626, EN 143, EN 149 and EN 13274-7
- Testing of fractional efficiency, e.g. efficiency in whole size range of 100 nm up to 40 μm
- Exact analysis of filter and filter mask efficiency for Corona Virus (size approx. 120 nm up to 160 nm) in the size range between 100nm and 180 nm we have 8 size channels
- Future proof: Works with any kind of aerosol without adjustments
- Further measurement of differential pressure, e.g. as well within different face velocities
- Face velocity adjustable between 1.5 - 50 cm/s
- Product capable of fast quality assurance AND continuous optimization in RD (display of size distribution)
- Individual face mask adapter for your product
- Attractive 2 years maintenance package for availability of test rig

Applications

- Test of respiratory masks
- Exact analysis of filter mask efficiency for e.g. Corona Virus
- Filter testing for HEPA quality



<https://www.palas.de/product/pmft-1000>

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Datasheet

<i>Parameter</i>	<i>Description</i>
Measurement range (size)	0,10 – 40 µm
Volume flow	1 – 27 m ³ /h (Druckbetrieb)
Power supply	115/230 V, 50/60 Hz
Dimensions	approx. 600 • 1,800 • 900 mm (W • H • D)
Installation conditions	19 – 23 °C
Inflow velocity	5 – 100 cm/s (others on request)
Differential pressure measurement	0 – 1200 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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