



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 EN 143, EN 149 and EN 13274-7
- Equivalent to GB 2626, 42 CFR 84 and ASTM 2299-3 by additional software option
- Test of community masks equivalent to CWA 17553
- Meets the requirements for respirators specified by the [CCF \(Covid Certified Filter\) quality seal^a](#)
- Includes two Aerosol generators for oil and NaCl
- 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 SARS-CoV-2 (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 to simulate measurement of breath resistance
- Face velocity adjustable between 1.5 - 70 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

The software extension additionally offers:

- Display of penetration results of the entire tolerance range of the size distribution according to EN 13274-7

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>

PMFT 1000



Datasheet

<i>Parameter</i>	<i>Description</i>
Measurement range (size)	0.1 – 40 μm
Volume flow	1 – 27 m^3/h (pressure mode)
Power supply	115/230 V, 50/60 Hz
Dimensions	Approx. 600 • 1,800 • 900 mm (W • H • D)
Installation conditions	10 – 40 °C
Test conditions according to standard	19 – 23 °C
Inflow velocity	3,5 – 70 cm/s (others on request)
Differential pressure measurement	0 – 1200 Pa
Test area of the medium	
	100 cm^2
Aerosols	Salze (z. B. NaCl, KCl), Flüssigaerosole (z. B. DEHS), Latexpartikel (PSL)
Compressed air supply	6 – 8 bar

Palas GmbH
Partikel- und Lasermesstechnik
Greschbachstrasse 3 b
76229 Karlsruhe
Germany

Managing Partner:
Dr.-Ing. Maximilian Weiß, Udo Fuchslocher
Commercial Register:
register court: Mannheim
company registration number: HRB 103813
USt-Id: DE143585902



Contact: E-Mail: mail@palas.de Internet: www.palas.de Tel: +49 (0)721 96213-0 Fax: +49 (0)721 96213-33