



Test of respiratory masks better than the standard. Exact analysis of filter mask efficiency from 145 nm up to 40  $\mu$ m. SARS-CoV-2 size approx. 120 nm - 160 nm.

## Benefits

- Test rig working principle better than EN 143, EN 149 and EN 13274-7
- Includes 2 Aerosol generators for NaCl and oil
- Upgrade KIT for GB 2626, 42CFR84 and ASTM 2299-3 available
- Testing of fractional efficiency, e.g. efficiency in whole size range of 145 nm up to 40  $\mu$ m
- Exact analysis of filter and filter mask efficiency for Corona Virus (size approx. 120 nm up to 160 nm) starting at 145 nm
- Future proof: Works with any kind of aerosol without adjustments
- Simulation of breathe resistance by measurement of differential pressure at 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
- Can be operated as Mas-Q-Check with optional Mas-Q-Head



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

# PMFT 1000 M



## Datasheet

<i>Parameter</i>	<i>Description</i>
<b>Measurement range (size)</b>	0,145 – 40 µm
<b>Volume flow</b>	1 – 27 m <sup>3</sup> /h (Druckbetrieb)
<b>Power supply</b>	115/230 V, 50/60 Hz
<b>Dimensions</b>	approx. 600 • 1,800 • 900 mm (W • H • D)
<b>Installation conditions</b>	19 –23 °C
<b>Inflow velocity</b>	5 – 100 cm/s (others on request)
<b>Differential pressure measurement</b>	0 – 1200 Pa
<b>Test area of the medium</b>	100 cm <sup>2</sup>
<b>Compressed air supply</b>	6 – 8 bar

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

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



**Contact:** E-Mail: [mail@palas.de](mailto:mail@palas.de) Internet: [www.palas.de](http://www.palas.de) Tel: +49 (0)721 96213-0 Fax: +49 (0)721 96213-33