



**Filter test rig for cleanable filter media in accordance with VDI 3926. Versions for temperature and/ or relative humidity control**

## Benefits

- Internationally comparable measurement results thanks to the widespread use of the MMTC 2000 measurement system
- High reproducibility of the testing method
- Different dusts from real applications can be used
- Quick and easy adjustment of the raw gas concentration
- Simulation of the so-called garland effect
- Suitable for in-situ measurements
- Online measurements of the particle size and particle concentration with the light scattering spectrometer *welas*® digital
- MMTC 2000 EHF: This test rig can be heated to 250°C; the relative humidity can be set to levels up to 80% (at a temperature of 90°C).
- Lightweight, small and mobile design
- Easy handling, easy cleaning
- Quick set-up time when changing the filter or test dust
- Validation of the clear function of individual components and the overall system during pre-delivery acceptance testing
- Reliable operation
- Short set-up times, extremely low-maintenance
- The unit will reduce your operating costs

## Applications

- Standardized test in accordance with VDI 3926
- Individual tests under close-to-real conditions as defined by the different process conditions, e.g. in the cement industry, in the wood-processing industry, the pharmaceutical industry, the chemical industry, in nuclear power plants and many other areas...

## Model Variations



### MMTC 2000 E

Stainless steel version for temperatures up to 70°C

<https://www.palas.de/product/mmtc2000e>



### MMTC 2000 EH

Stainless steel version with heating and insulation for temperatures up to 250°C

<https://www.palas.de/product/mmtc2000eh>



<https://www.palas.de/product/mmtc2000>

## Datasheet

Parameter	Description
<b>Volume flow</b>	1 – 5.5 m <sup>3</sup> /h (others on request, suction mode)
<b>Power supply</b>	120/230 V, 2A (single phase connection)
<b>Dimensions</b>	approx. 1,200 • 630 • 1,700 mm (H • W • D)
<b>Powder Disperser</b>	RBG 2000 for non-cohesive powders and bulks as e. g. Pural NF, Pural SB, ISO A2 fine, ISO A4 coarse, different types of TiO <sub>2</sub> and other powders from practice Mass Flow: approx. 0.2 – 90 g/m <sup>3</sup> (depending on powder size and density)
<b>Inflow velocity</b>	3 – 8.8 cm/s (others on request)
<b>Differential pressure measurement</b>	0 – 5,000 Pa
<b>Test area of the medium</b>	177 cm <sup>2</sup>
<b>Aerosols</b>	Dusts (e. g. SAE dusts)
<b>Compressed air supply</b>	6 – 8 bar
<b>Valve opening times</b>	50 – 500 ms
<b>Pressure for pulse jet cleaning</b>	Adjustable up to 6 bar <sub>g</sub>

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