MMTC 2000



The compact and robust layout of the MMTC 2000 and its functional and straightforward operation have impressed our customers in the industry. With the aid of the MMTC series, standard filter media tests can be performed in accordance with VDI 3926 (including aging). Different media are optimized for various applications in terms of their structure and surface treatment. This minimizes emissions and increases the service life of the medium. In contrast to the VDI guidelines, with the aid of the MMTC series, it is possible to perform reliable filter media tests with different powders used in practice.

Benefits

- 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
- 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

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, wood-processing industry, pharmaceutical industry, chemical industry, 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/en/product/mmtc2000e



MMTC 2000 EH

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

https://www.palas.de/en/product/mmtc2000eh

DATASHEET

Aerosols	Dusts (e. g. SAE dusts)
Test area of the medium	177 cm^2
Volume flow	1 – 5.5 m^3/h (others on request, suction mode)
Power supply	120 – 230 V, 2A (single phase connection)
Differential pressure measurement	0 – 5,000 Pa
Inflow velocity	3 – 8.8 cm/s (others on request)
Compressed air supply	6 – 8 bar
Pulverdispergierer	RBG 2000 for non-cohesive powders and bulks as e. g. Pural NF, Pural SB, ISO A2 fine, ISO A4 coarse, different types of TiO2 and other powders from practice, mass flow: approx. 0.2–90 g/m^3 (depending on powder size and density)
Valve opening times	50 – 500 ms
Pressure for pulse jet cleaning	Adjustable up to 6 bar_g
Dimensions	Approx. 1,200 • 630 • 1,700 mm (H • W • D)

NORMS AND CERTIFICATES

VDI 3926