



Heatable modular test system for oil mist separators better as ISO 17536

Benefits

- Measurement and evaluation of fraction separation efficiency and burden
- **Isothermal and isobaric measurement**
- **All components can be heated to 120°C**
- High reproducibility of the testing method
- Internationally comparable measurement results thanks to the widespread use of the measurement system
- Cleaning and calibration can be performed autonomously by the customer
- Easy to operate, even untrained personnel can be instructed quickly in the use of the equipment
- Modular layout offers increased flexibility
- Validation of the clear function of individual components and the overall system during pre-delivery acceptance testing and upon delivery
- Reliable operation
- Short set-up times, extremely low-maintenance
- The unit will reduce your operating costs

Applications

- Quality assurance for oil separators
- New and further development of oil separators, e.g. coalescence separators, cyclonic separators and other inertia separators, electrofilters and filter combinations, e.g. for
 - Blow-by aerosols
 - Oil mist downstream of compressors
 - Cooling lubricants on machine tools
 - Aerosols for minimal quantity lubrication

Model Variations



HMT 1000 P

Heatable modular testing system for oil nebulizers better as ISO 17536 with +/- 200 mbar control

<https://www.palas.de/product/hmt1000p>



<https://www.palas.de/product/hmt1000>

HMT 1000



Datasheet

Parameter	Description
Measurement range (size)	0.18 – 40 µm
Volume flow	1 – 25 Nm ³ /h, 1 – 85 Nm ³ /h (others on request)
Dimensions	approx. 1,600 • 2,000 • 800 mm (H • W • D)
Differential pressure measurement	0 – 5.000 Pa (andere auf Anfrage)
Aerosol concentrations	up to 10 ⁷ particles/cm ³ with 2 KHG 10 D
Compressed air supply	6 – 8 bar

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