HMT 1000 P

With the modular testing system, HMT 1000 P oil separators can, e. g. for the separation of blow-by aerosols in combustion engines or the separation of oil vapour behind compressors, be characterized fast and precisely and, above all, be tested isothermally up to 120 °C in step with actual practice:

- Fractional separation efficiency
- Loading time/Lifetime
- Total separation efficiency/gravimetry
- Pressure drop

As a unique feature, the HMT 1000 P version of the test rig offers the control of upstream absolute pressure to ± 200 mbar at the entrance of the test room or test filters.

优势

- Detection and evaluation of the fractional separation efficiency and loading
- Isothermal and isobaric measurement
- All components heatable up to 120 °C
- The inlet pressure at the test filter can be controlled in the range of ± 200 mbar
- High reproducibility of the test procedure
- Internationally comparable measuring results due to the wide distribution of the measuring system
- Cleaning and calibration can be accomplished by the customer himself
- Easy to handle, short training even of untrained staff
- Flexibility due to modular set-up
- Proof of the clear function of single components and the complete system during pre-acceptance and delivery
- Short set-up times, extremely low maintenance
- Reduces your operating expenses

应用领域

- 油雾分离器的质量保证
- 油雾分离器的创新与持续开发，涵盖聚结式分离器、旋风分离器及其他惯性分离器、静电过滤器以及复合过滤系统等，主要应用于以下场景：
  - 内燃机窜气气溶胶处理
  - 压缩机下游油雾分离
  - 机床冷却润滑剂过滤
  - 微量润滑产生气溶胶的净化

技术数据

测量范围(数量浓度)	Up to 10^7 particles/cm^3 with LDD100 H
测量范围(粒径)	0.18 – 40 μm
体积流量	1 – 25 Nm^3/h, 1 – 85 Nm^3/h (others on request)
Differential pressure measurement	0 – 5,000 Pa (others on request)
Compressed air supply	6 – 8 bar
Pressure	0.2 – 0.2 bar_g relative
Dimensions	Approx. 1,780 • 2,240 • 800 mm (H • W • D)

标准和证书

ISO 17536