APM 2005

With this test rig concept, the flow over the material under testing is designed in a realistic manner and is made up – as required either fully or optionally (through replacement of the inflow module) – of different angles.

The APM 2005 is equipped with the new light scattering spectrometer system Promo®3000 for virtually simultaneous measurements in the raw gas and clean gas.

Benefits

- Particle measurement: 0.2 – 40 μm
- Virtually simultaneous particle measurement in the raw gas and clean gas
- Real measurement results through simulation of realistic inflow scenarios
- Option for comparing permeability in terms of particle penetration from multiple perspectives
- Option for setting up a defined pressure loss on the test medium through variation of the suction volume flow in the sample holder
- Clear measurement of the particle concentration and particle size in raw gas and clean gas through use of the light scattering spectrometer Promo® 3000
- Low-maintenance
- Reliable in operation
- The unit will reduce your operating costs

Features

- Measurement of the separation performance of garment fabrics with regard to particle penetration
- Special filter holder for determining particle penetration for simulating real inflow conditions
- Use of the Promo® 3000 scattered light spectrometer for unambiguous measurement of particle concentration and size in raw and clean gas

Applications

- Practical test for protective materials
- Measurement of particle penetration without forced throughflow
- Research and development of permeability materials

DATASHEET

Volume flow	40 – 600 m^3/h (circulation)	Compressed air supply	6 – 8 bar
Dimensions	2,650 • 2,150 • 800 mm (H • W • D)		