AGF 2.0 D

Unlike the AGF 2.0, the AGF 2.0 D is pressure-resistant up to 10 bar positive pressure and is thus able to be used for applications with an absolute pressure value of up to 11 bar, e.g., to test compressed air filters and optical flow measurement procedures with positive pressure values of up to 10 bar.

Benefits

- Pressure-resistant up to 10 barg overpressure
- Exact adjustment of the operating parameters
- Number concentration (C_N) can be varied by the factor 10
- Particle size distribution remains virtually constant, if C_N is modified
- Number distribution maximum is within the MPPS range
- Virtually no power losses
- Optimal concentration, no coagulation losses
- Resistant to numerous acids, bases and solvents
- Robust design, stainless steel housing
- Easy to operate
- As opposed to the collision method, the AGF 2.0 does not generate any particles > 2 μm thanks to its cyclone.
- Due to the fact that the AGF generates virtually no droplets > 2 μm, the consumption of materials is very low, thus ensuring a long dosing time.

Applications

- Filter testing, quality control
  - Filter cartridges
  - Car interior filters
  - Filter media, particulate air filters
  - Compressed air filters
- Tracer particles
  - Inhalation experiments
  - Optical flow measurement procedures with positive pressure values of up to 10 bar (model version AGF 2.0 D)
  - LDV
- Clean room technology
  - Acceptance tests and leak tests as per ISO 14644 and VDI 2083
  - Leak tests, fit testing
  - Recovery tests
- Calibration of counting particle measurement methods
  - Nebulisation of latex suspensions < 1 μm
- Smoke detector tests

DATASHEET

Volume flow	12 – 45 l/min
Mass flow (particles)	Up to 4 g/h (DEHS)
Filling quantity	300 ml
Particle material	DEHS, DOP, Emery 3004, paraffin oil, other non-resinous oils
Dosing time	> 24 h
Compressed air connection	Quick coupling
Aerosol outlet connection	$Ø_{inside}$ = 6 mm, $Ø_{outside}$ = 8 mm
Mean particle diameter (number)	0.25 μm
Particle diameter (maximum)	2 μm
Dimensions	200 • 260 mm (Ø • L)
Weight	Approx. 8 kg
Special features	Pressure-tight up to 10 bar

NORMS AND CERTIFICATES

ISO 14644, VDI 2083