AGF 10.0



The AGF 10.0 is an aerosol generator for atomizing liquids and latex suspensions with a constant particle rate and defined particle spectrum.

Benefits

- Generation of high mass flows of up to approx. 25 g/h
- 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
- Long dosing time

Applications

- Clean room technology
  - Acceptance tests and leak tests as per ISO 14644 and VDI 2083
  - Leak tests, fit testing
  - Recovery tests
- Filter testing, quality control
  - Filter cartridges
  - Car interior filters
  - Filter media, particulate air filters, HEPA/ULPA filters
  - Compressed air filters
- Tracer particles

Model Variations



AGF 10.0 D

Pressure-resistant version of the AGF 10.0 series

https://www.palas.de/en/product/agf10d

DATASHEET

Volume flow	14 – 35 l/min
Mass flow (particles)	< 25 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	$Ø_{inside}$ = 20 mm, $Ø_{outside}$ = 30 mm
Mean particle diameter (number)	0.5 μm
Particle diameter (maximum)	10 μm
Dimensions	240 • 385 mm (Ø • L)
Weight	Approx. 4 kg

NORMS AND CERTIFICATES

VDI 3491-6