



Pressure-resistant version of the AGF 10.0 series

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**
 - Optical flow measurement procedures with positive pressure values of up to 10 bar (model version AGF 10.0 D)
 - Inhalation experiments
 - LDV
- **Calibration of counting particle measurement methods**
 - Nebulization of latex suspensions < 5 μm
- **Smoke detector tests**



<https://www.palas.de/product/agf10d>

Datasheet

Parameter	Description
Volume flow	14 – 35 l/min
Dimensions	200 • 300 mm (Ø • l)
Weight	approx. 8 kg
Particle material	DEHS, DOP, Emery 3004, paraffin oil, other non-resinous oils
Dosing time	> 24 h
Mass flow (particles)	< 20 g/h (DEHS)
Compressed air connection	Quick coupling
Aerosol outlet connection	Ø _{inside} = 20 mm, Ø _{outside} = 30 mm
Special features	Pressure-tight up to 10 bar
Mean particle diameter (number)	0.5 µm
Biggest particle diameter	10 µm
Filling quantity	300 ml

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