

AGF 2.0 D



Pressure-resistant version up to 10 barg overpressure

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 $> 2 \mu\text{m}$ thanks to its cyclone.
- Due to the fact that the AGF generates virtually no droplets $> 2 \mu\text{m}$, 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 $< 1 \mu\text{m}$
- **Smoke detector tests**

DATASHEET

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



Further information:
<https://www.palas.de/product/agf2d>