



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**



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

## Datasheet

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

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