

# 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/product/agf10d>

## DATASHEET

Volume flow	14 – 35 l/min
Weight	Approx. 4 kg
Particle material	DEHS, DOP, Emery 3004, paraffin oil, other non-resinous oils
Dosing time	> 24 h
Mass flow (particles)	< 25 g/h (DEHS)
Compressed air connection	Quick coupling
Aerosol outlet connection	$\varnothing_{\text{inside}} = 20 \text{ mm}$ , $\varnothing_{\text{outside}} = 30 \text{ mm}$
Mean particle diameter (number)	0.5 $\mu\text{m}$
Particle diameter (maximum)	10 $\mu\text{m}$
Filling quantity	300 ml
Dimensions	240 • 385 mm ( $\varnothing$ • L)



Further information:  
<https://www.palas.de/product/agf10>