

# 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  | 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   | $\varnothing_{\text{inside}} = 20 \text{ mm}$ , $\varnothing_{\text{outside}} = 30 \text{ mm}$ | Mean particle diameter (number) | 0.5 $\mu\text{m}$  |
| Particle diameter (maximum) | 10 $\mu\text{m}$   | Dimensions                      | 240 • 385 mm ( $\varnothing$ • L)                            |
| Weight                      | Approx. 4 kg   |                                 |  |