

UGF 2000



Liquid nebulizer with binary nozzle and cyclone ($dp_{max} = 2 \mu\text{m}$) as per VDI 3491-1 and -2

Benefits

- dp_{max} in MPPS-range = 0.1 – 0.3 μm
- Known and reproducible particle size distribution using a cyclone
- Constant particle rate
- Low particle concentration
- Long dosing time
- Variable particle concentration by a factor of 500 through adjustment of the primary pressure and control air
- Compact, light, portable
- Easy handling and solid construction

Applications

- Clean room technology:
 - HEPA/ULPA filter test
 - Acceptance tests and leak tests as per ISO 14644 and VDI 2083
 - Laminar flow boxes
 - Recovery tests
- Filter testing, quality control:
 - Filter cartridges, filter media, particulate air filters for low volume flows and small filter surfaces
- Smoke detector tests

<https://www.palas.de/product/ugf2000>

Datasheet

<i>Parameter</i>	<i>Description</i>
Volume flow	1 – 13 l/min
Dimensions	270 • 200 • 175 mm
Weight	Approx. 4 kg
Particle material	DEHS, DOP, Emery 3004, paraffin oil, other non-resinous oils
Dosing time	> 24 h
Mass flow (particles)	< 1.5 g/h (DEHS)
Compressed air connection	Quick coupling
Aerosol outlet connection	$\varnothing_{\text{inside}} = 4 \text{ mm}$, $\varnothing_{\text{outside}} = 8 \text{ mm}$
Filling quantity	70 ml

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