



Generation of test aerosols from powder, dust, pollen, etc.; mass flow approx. 8 g/h to 6 kg/h.

## Benefits

- Excellent short-term and long-term dosing constancy
- Easy to operate
- Quick and easy to clean
- Remote control or computer-controlled
- Pulse mode
- Easy to fill while in operation
- Large reservoir (1500 cm<sup>3</sup>)
- Automatic mass flow control with the BEG 2000
- Long dosing time over several days with the BEG 3000
- Robust design, proven in industrial applications
- Reliable function
- Reduces your operating expenses
- Low maintenance

## Applications

- Filter industry: Loading test of
  - engine filters as per ISO 5011
  - Hot gas filters
  - Bag filters
  - Air filters
  - Cyclones
- Chemical and pharmaceutical industry
- Cement industry

## Model Variations



### BEG 1000 A

Powder disperser with dispersing nozzle for low mass flows of approx. 8 g/h – 550 g/h

<https://www.palas.de/product/beg1000a>



### BEG 1000 B

Powder disperser with dispersing nozzle for high mass flows of approx. 100 g/h – 6 kg/h

<https://www.palas.de/product/beg1000b>

<https://www.palas.de/product/beg1000>

## Datasheet

Parameter	Description
Volume flow	5 – 10 m <sup>3</sup> /h
Power supply	115 – 230 V, 50 – 60 Hz
Dimensions	610 • 260 • 340 mm (dosing unit), 195 • 260 • 340 mm (control unit)
Particle material	Non-cohesive powders and bulks
Dosing time	Several hours nonstop
Maximum particle number concentration	Ca. 10 <sup>7</sup> particles/cm <sup>3</sup>
Mass flow (particles)	Type A: 8 g – 550 g/h (with reference to SAE Fine, A2 dust) Type B: 100 – 6,000 g/h (with reference to SAE Fine, A2 dust) Type C: 350 – 7,300 g/h (with reference to SAE Fine, A2 dust)
Particle size range	0.1 – 200 μm
Carrier/dispersion gas	Random (generally air)
Pre-pressure	4 – 8 bar
Compressed air connection	Quick coupling
Aerosol outlet connection	Type A: Ø <sub>inside</sub> = 6.4 mm, Ø <sub>outside</sub> = 10 mm   Type B: Ø <sub>inside</sub> = 8 mm, Ø <sub>outside</sub> = 12 mm   Type C: Ø <sub>inside</sub> = 8 mm, Ø <sub>outside</sub> = 12 mm
Reservoir volume	1,500 cm <sup>3</sup>
Filling quantity	500 g

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