



Generation of test aerosols from powder, dust, pollen, etc.; mass flow approx. 8 g/h – 7.3 kg/h with automatic mass flow monitoring

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 cm³)
- Automatic mass flow control with the BEG 2000
- 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
 - Engine crash tests
- Chemical and pharmaceutical industry

Model Variations



BEG 2000 A

Powder disperser with dispersing nozzle and weighing unit for low mass flows of approx. 8 g/h – 550 g/h; automatic mass flow monitoring and control

<https://www.palas.de/product/beg2000a>



BEG 2000 B

Powder disperser with weighing unit for high mass flows of approx. 100 g/h – 6 kg/h; mass flow monitoring and control

<https://www.palas.de/product/beg2000b>

<https://www.palas.de/product/beg2000>

Datasheet

Parameter	Description
Volume flow	5 – 10 m ³ /h
Power supply	115 – 230 V, 50 – 60 Hz
Particle material	Non-cohesive powders and bulks
Dosing time	Several hours nonstop
Maximum particle number concentration	Ca. 10 ⁷ particles/cm ³
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 _{inside} = 6.4 mm, Ø _{outside} = 10 mm Type B: Ø _{inside} = 8 mm, Ø _{outside} = 12 mm Type C: Ø _{inside} = 6.2 mm, Ø _{outside} = 10 mm
Reservoir volume	1,500 cm ³
Filling quantity	500 g

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