



Test aerosols from powder, dust, pollen, etc.; mass flow approx. 8 g/h – 7.3 kg/h; with automatic mass flow monitoring and refill unit

## 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
  - Engine crash tests
- Chemical and pharmaceutical industry
- Cement industry

## Model Variations



### BEG 3000 A

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

<https://www.palas.de/product/beg3000a>



### BEG 3000 B

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

<https://www.palas.de/product/beg3000b>



<https://www.palas.de/product/beg3000>

## Datasheet

Parameter	Description
<b>Volume flow</b>	5 – 10 m <sup>3</sup> /h
<b>Power supply</b>	115 – 230 V, 50 – 60 Hz
<b>Particle material</b>	Non-cohesive powders and bulks
<b>Dosing time</b>	Several hours nonstop
<b>Maximum particle number concentration</b>	ca. 10 <sup>7</sup> particles/cm <sup>3</sup>
<b>Mass flow (particles)</b>	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)
<b>Particle size range</b>	0.1 – 200 µm
<b>Carrier/dispersion gas</b>	random (generally air)
<b>Pre-pressure</b>	4 – 8 bar
<b>Compressed air connection</b>	Quick coupling
<b>Aerosol outlet connection</b>	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
<b>Reservoir volume</b>	1,500 cm <sup>3</sup>
<b>Filling quantity</b>	15 kg

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