

# BEG 2000



The BEG 2000 is equipped with automatic mass flow control. For this purpose, the dosing unit of the BEG 2000 is continuously weighed. The data is constantly recorded and evaluated by a touchscreen PC via a serial interface. Thus, the dispersed dust quantity is known continuously and can be automatically readjusted. The following inputs can be made for the exact dosing of the aerosol:

- Input of the mass flow in g/h
- Automatic mass flow control
- Recording of powder-specific calibration curves
- External control via PC or Modbus RTU
- Network-compatible

## 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 (1,500 cm<sup>3</sup>)
- Automatic mass flow control with the BEG 2000
- Robust design, proven in industrial applications
- Reliable function
- Reduces your operating expenses
- Low maintenance

## APPLICATIONS

- 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

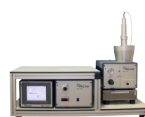
## MODEL VARIATIONS



### BEG 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 dispersing nozzle and weighing unit for high mass flows of approx. 550 g/h – 5 kg/h; mass flow monitoring and control

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

## DATASHEET

Particle size range	0.1 – 200 $\mu\text{m}$	Maximum particle number concentration	Ca. $10^7$ particles/ $\text{cm}^3$
Volume flow	80 – 165 $\text{NL/min}$	Mass flow (particles)	Typ A: 8 g – 550 g/h (bezogen auf SAE Fine, A2 Staub), Typ B: 100 – 6.000 g/h (bezogen auf SAE Fine, A2 Staub), Typ C: 350 – 7.300 g/h (bezogen auf SAE Fine, A2 Staub)
Filling quantity	500 g	Power supply	115 – 230 V, 50/60 Hz
Particle material	Non-cohesive powders and bulks	Dosing time	Several hours nonstop
Pre-pressure	4 – 8 bar	Carrier/dispersion gas	Random (generally air)
Compressed air connection	Quick coupling	Aerosol outlet connection	Type A: $\varnothing_{\text{inside}} = 6.4 \text{ mm}$ , $\varnothing_{\text{outside}} = 10 \text{ mm}$   Type B: $\varnothing_{\text{inside}} = 8 \text{ mm}$ , $\varnothing_{\text{outside}} = 12 \text{ mm}$   Type C: $\varnothing_{\text{inside}} = 6.2 \text{ mm}$ , $\varnothing_{\text{outside}} = 10 \text{ mm}$
Reservoir volume	1,500 $\text{cm}^3$		