BEG 3000







The refilling system, with a dosing unit and large storage container (see illustration), ensures continuous dispersion without interruption over several days.

For automatic mass flow control, the metering unit of the BEG 3000 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

优势

- 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 cm³)
- Long dosing time over several days with the BEG 3000
- Robust design, proven in industrial applications
- · Reliable function
- Reduces your operating expenses
- Low maintenance

应用领域

- · 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

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





BEG 3000 B

Version 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



BEG 3000 C

Version with weighing unit for highest mass flows of approx. 350~g/h - 7.3~kg/h; mass flow monitoring and control with the automatic refill unit

https://www.palas.de/product/beg30



技术数据

粒径范围	0.1 – 200 μm	颗粒物最大数量浓度	Ca. 10 ⁷ particles/cm ³
体积流量	80–165 NI/min	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)
Filling quantity	15,000 g	电源	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: $\emptyset_{\text{inside}} = 6.4 \text{ mm}$, $\emptyset_{\text{outside}} = 10 \text{ mm} \mid \text{Type B:}$ $\emptyset_{\text{inside}} = 8 \text{ mm}$, $\emptyset_{\text{outside}} = 12 \text{ mm} \mid \text{Type C: } \emptyset_{\text{inside}} = 8 \text{ mm}$, $\emptyset_{\text{outside}} = 12 \text{ mm}$
Reservoir volume	1,500 cm ³		