



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

Description

This dispersion system is able to continuously generate low mass flows, e.g. 8 g/h, with optimal dosing constancy and control with automatic mass flow monitoring. The automatic refill unit and the weighing unit enable this dispersion system to be successfully used for continuous dosing over several days. Mass flow setting of approx. 100 g/h – 6 kg/h based on SAE fine, A2 dust

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

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 B: 100 – 6,000 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} = 8 mm, Ø _{outside} = 12 mm
Reservoir volume	1,500 cm ³
Filling quantity	15 kg

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

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