



Powder disperser with weighing unit for highest mass flows of approx. 350 g/h – 7.3 kg/h; mass flow monitoring and control with automatic refill unit

## Description

This dispersion system is able to continuously generate highest mass flows, e.g. 7.3 kg/h, with highest 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. 350 g/h – 7.3 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 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

## Datasheet

<i>Parameter</i>	<i>Description</i>
<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 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 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

## 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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