

# BEG 2000 A



This dispersion system can continuously generate low mass flows, e.g., 8 g/h, with optimal dosing constancy and control with automatic mass flow monitoring. Mass flow setting of approx. 8 g/h – 550 g/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 (1,500 cm<sup>3</sup>)
- Automatic mass flow control with the BEG 2000
- Robust design, proven in industrial applications

## APPLICATIONS

- Loading test of
  - Engine filters as per ISO 5011
  - Hot gas filters
  - Bag filters
  - Air filters
  - Cyclones
- Engine crash test
- Chemical and pharmaceutical industry
- Cement industry

## 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 $\text{NI}/\text{min}$   |
| 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                      | 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 $\text{cm}^3$   |