## **RBG 1000 I**







The dispersion unit and the electrical control unit can be set up up to 2 m apart from each other.

The return speed for container changeover is optimized on the RBG 1000 I and is faster than on the other RBG variants. It is only approx. 1 minute.

## 优势

- 2 m distance between dispersing unit and control unit
- Optional: pressure-resistant up to 3 barg overpressure
- Highest short-term and long-term dosing constancy
- Disperses virtually all non-cohesive dusts
- Easy exchange of different solid material reservoirs and dispersing covers
- Easy determination and adjustment of the mass flow
- Pulse mode
- Device easy to clean
- · Quick and easy to operate
- Reliable operation
- · Little maintenance required
- Reduces your operating expenses

## 应用领域

- Dispersion of radioactive substances
- Dispersion of pharmaceutical powders
- Filter industry:
  - Determination of fractional separation efficiency
  - Determination of total separation efficiency
  - Long-term dusting
  - Filter media and ready-made filters
  - Dust removal filters
  - Vacuum cleaners and vacuum cleaner filters
  - Car interior filters
  - Engine air filters
- Calibration of particle measurement devices
- Flow visualization
- Inhalation tests
- Tracer particles for LDA, PIV, etc.
- · Coating of surfaces



## 技术数据

粒径范围	0.1 – 100 μm	颗粒物最大数量浓度	Ca. 10 <sup>7</sup> particles/cm <sup>3</sup>
体积流量	0.5 – 5.0 m <sup>3</sup> /h	Mass flow (particles)	0.04 - 430 g/h (with an assumed compacted density of 1 g/cm <sup>3</sup> )
Filling height	70 mm	Filling quantity	2.7 g (reservoir $\emptyset$ = 7 mm), 5.5 g (reservoir $\emptyset$ = 10 mm), 10.8 g (reservoir $\emptyset$ = 14 mm), 22 g (reservoir $\emptyset$ = 20 mm), 43 g (reservoir $\emptyset$ = 28 mm)
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)	Maximum counter pressure	0.2 barg
Compressed air connection	Quick coupling	Feed rate	5 – 700 mm/h
Reservoir inner diameter	7, 10, 14, 20, 28 mm	Aerosol outlet connection	Dispersion cover type A: $\varnothing_{\text{inside}} = 5 \text{ mm}$ , $\varnothing_{\text{outside}} = 8 \text{ mmDispersion cover type B:}$ $\varnothing_{\text{inside}} = 3.6 \text{ mm}$ , $\varnothing_{\text{outside}} = 6 \text{ mmDispersion cover type:}$ $\varnothing_{\text{inside}} = 2.5 \text{ mm}$ , $\varnothing_{\text{outside}} = 6 \text{ mm}$
Dispergierdeckel	Type A, type B, type C, type D	Dimensions	Dispersion unit: 430 • 300 • 180 mm (H • W • D)
重量	Approx. 19 kg		