

RBG 1000 G



The RBG 1000 G has a higher gear ratio. This means that at very low feed rates ($< 10 \text{ mm/h}$), the feed rate can be better adjusted by means of a potentiometer.

The maximum feed rate is 300 mm/h .

工作原理

优势

- Feed rates $< 10 \text{ mm/h}$ can be set precisely with the aid of a potentiometer
- Optional: pressure-resistant up to 3 bar, remote control or computer-controlled
- 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

技术数据

粒径范围	0.1 – 100 μm
颗粒物最大数量浓度	Ca. 10^7 particles/cm ³
体积流量	0.5 – 5.0 m ³ /h
Mass flow (particles)	0.04 – 185 g/h (with an assumed compacted density of 1 g/cm ³)
Filling height	70 mm
Filling quantity	2.7 g (reservoir \varnothing = 7 mm), 5.5 g (reservoir \varnothing = 10 mm), 10.8 g (reservoir \varnothing = 14 mm), 22 g (reservoir \varnothing = 20 mm), 43 g (reservoir \varnothing = 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	1 – 300 mm/h
Reservoir inner diameter	7, 10, 14, 20, 28 mm
Aerosol outlet connection	Dispersion cover type A: $\varnothing_{\text{inside}}$ = 5 mm, $\varnothing_{\text{outside}}$ = 8 mm Dispersion cover type B: $\varnothing_{\text{inside}}$ = 3.6 mm, $\varnothing_{\text{outside}}$ = 6 mm Dispersion cover type: $\varnothing_{\text{inside}}$ = 2.5 mm, $\varnothing_{\text{outside}}$ = 6 mm
Dispergierdeckel	Type A, type B, type C, type D
Dimensions	465 • 320 • 200 mm (H • W • D)
重量	Approx. 19 kg

应用领域

- Applications with very low feed rates (<10 mm/h)
- 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



Mehr Informationen:
<https://www.palas.de/zh/product/rbg1000g>