

RBG 2000 SD



Pressure-resistant at positive pressure values of up to 3 bar, also nitrogen as a dispersing gas

BENEFITS

- Optimal short-term and long-term dosing constancy
- Double the dosing time in comparison with the RBG 1000
- Disperses virtually any non-cohesive dusts
- Easy to switch out different solid material reservoirs and dispersion covers
- Easy to determine and adjust the mass flow
- Able to adjust higher mass flows than the RBG 1000
- Pulse mode
- Easy to clean
- Quick and easy to operate
- Reliable function
- Low maintenance
- Reduces your operating expenses

APPLICATIONS

- Filter industry
 - Determination of fractional separation efficiency
 - Determination of total separation efficiency
 - Long-term dusting
 - Filter media and assembled filters
 - Dust filters
 - Vacuum cleaners and vacuum filters
 - Car interior filters
 - Engine air filters
- Calibrating particle measurement devices
- Flow visualization
- Inhalation experiments
- Tracer particles for LDV, PIV, etc.
- Surface coatings

DATASHEET

Volume flow	40 – 80 NI/min
Weight	Approx. 40 kg
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)	1 – 560 g/h (with an assumed compacted density of 1 g/cm ³)
Particle size range	0.1 – 100 μ m
Carrier/dispersion gas	Random (generally air)
Pre-pressure	4 – 8 bar
Maximum counter pressure	0.2 barg
Feed rate	5 – 700 mm/h
Compressed air connection	Quick coupling
Reservoir inner diameter	16, 20, 28, 32 mm
Filling height	180 mm
Dispersion cover	Type A, Type D
	additional parameter on our website ...



Further information:
<https://www.palas.de/product/rbg2000sd>