

# RBG 2000 D



Pressure-resistant at positive pressure values of up to 3 bar, higher mass flows

## BENEFITS

- Pressure-resistant at positive pressure values of up to 3 bar
- 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

- Alle Anwendungen druckfest bis 3 bar Überdruck
- Testen von Druckluftfiltern
- 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 l/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 <sup>3</sup>
Mass flow (particles)	1 – 560 g/h (with an assumed compacted density of 1 g/cm <sup>3</sup> )
Particle size range	0.1 – 100 µm
Carrier/dispersion gas	Air
Pre-pressure	4 – 8 bar
Maximum counter pressure	Up to 3 bar <sub>g</sub> overpressure
Feed rate	5 – 700 mm/h
Compressed air connection	Quick coupling
Reservoir inner diameter	16, 20, 28 mm
Filling height	180 mm
Dispersion cover	Type A, Type D
	additional parameter on our website ...



Further information:  
<https://www.palas.de/product/rbg2000d>