

# RBG 1000 GD



For very low feed rates starting at 1 mm/h, pressure-resistant at positive pressure values of up to 3 bar, optional low pressure operation from 300 mbar (absolute pressure)

## Benefits

- Pressure-resistant up to 3 barg overpressure
- Very low feed rates (< 10 mm/h) can be set precisely with the aid of a potentiometer
- Optional: Remote control or computer-controlled

## Applications

- All applications pressure-resistant up to 3 barg overpressure
- Applications with very low feed rates (< 10 mm/h)
- Testing of compressed air filters



<https://www.palas.de/product/rbg1000gd>

## Datasheet

| Parameter                             | Description  |
|---------------------------------------|--|
| Volume flow                           | 0.5 – 5.0 m <sup>3</sup> /h  |
| Power supply                          | 115/230 V, 50 – 60 Hz  |
| Dimensions                            | 465 • 320 • 200 mm (H • W • D)   |
| Weight                                | approx. 19 kg  |
| Particle material                     | Non-cohesive powders and bulks   |
| Dosing time                           | Several hours nonstop  |
| Maximum particle number concentration | ca. 10 <sup>7</sup> particles/cm <sup>3</sup>  |
| Mass flow (particles)                 | 0.04 – 185 g/h (with an assumed compacted density of 1 g/cm <sup>3</sup> )   |
| Particle size range                   | 0.1 – 100 µm   |
| Carrier/dispersion gas                | random (generally air)   |
| Pre-pressure                          | 4 – 8 bar  |
| Feed rate                             | 5 – 700 mm/h   |
| Reservoir diameter                    | 7, 10, 14, 20, 28 mm   |
| Maximum counter pressure              | 200 mbar <sub>g</sub>  |
| Reservoir length                      | 70 mm  |
| dispersion cover                      | Type A, type B, type C, type D   |
| Compressed air connection             | Quick coupling   |
| Aerosol outlet connection             | Dispersion cover type A: Ø <sub>inside</sub> = 5 mm, Ø <sub>outside</sub> = 8 mm; Dispersion cover type B: Ø <sub>inside</sub> = 3.6 mm, Ø <sub>outside</sub> = 6 mm; Dispersion cover type: Ø <sub>inside</sub> = 2.5 mm, Ø <sub>outside</sub> = 6 mm |
| Filling quantity                      | 2.7 g (reservoir Ø = 7 mm), 5.5 g (reservoir Ø = 10 mm), 10.8 g (reservoir Ø = 14 mm), 22 g (reservoir Ø = 20 mm), 43 g (reservoir Ø = 28 mm)  |

**Palas GmbH**  
 Partikel- und Lasermesstechnik  
 Greschbachstrasse 3 b  
**76229 Karlsruhe**  
 Germany

**Managing Partner:**  
 Dr.-Ing. Maximilian Weiß  
**Commercial Register:**  
 register court: Mannheim  
 company registration number: HRB 103813  
 USt-Id: DE143585902



**Contact:** E-Mail: [mail@palas.de](mailto:mail@palas.de) Internet: [www.palas.de](http://www.palas.de) Tel: +49 (0)721 96213-0 Fax: +49 (0)721 96213-33