

APPLICATIONS

- Filter tests (e.g., compressed air filters)
- Test of diesel particulate filters (DPF)
- Loading of filters
- Quality control
- Particle size analysis
- Tracer particles
- Visualization of flows
- Inhalation tests
- Calibration of particle measurement
- Surface covering



OUR CORE COMPETENCIES

- Filter test systems
- Aerosol spectrometer systems
- Fine dust monitoring systems
- Nanoparticle measurement systems
- Particle generation systems
- Dilution systems
- Clean room particle technology
- Special developments
- Calibration systems
- Services
- Training courses and seminars

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Version: April 2024

AEROSOL GENERATORS FOR SOLID PARTICLES



OVERVIEW

RBG PROFESSIONAL

pressure resistant with automatic volume flow control

$\dot{m} \approx 0.04\text{--}800 \text{ g/h}$

$\dot{V} \approx 8\text{--}180 \text{ NI/min}$

$P_{\text{abs}} \approx 11 \text{ bar}$



RBG BASIC

manual flow adjustment, not pressure resistant

$\dot{m} \approx 0.04\text{--}800 \text{ g/h}$

$\dot{V} \approx 8\text{--}85 \text{ NI/min}$

RBG SOLO

built-in pump, not pressure resistant

$\dot{m} \approx 0.04\text{--}800 \text{ g/h}$

$\dot{V} \approx 8\text{--}40 \text{ NI/min}$

RBG 2000

$\dot{m} \approx 1\text{--}560 \text{ g/h}$

$\dot{V} \approx 40\text{--}80 \text{ NI/min}$



BEG 1000

$\dot{V} \approx 80\text{--}165 \text{ NI/min}$

BEG 1000 A

$\dot{m} \approx 8\text{--}550 \text{ g/h (A2 Dust)}$

BEG 1000 B

$\dot{m} \approx 100\text{--}6,000 \text{ g/h (A2 Dust)}$

BEG 1000 C

$\dot{m} \approx 350\text{--}7,300 \text{ g/h (A2 Dust)}$



BEG 2000

BEG 2000 A / 2000 B / 2000 C

automatic balancing values as above



BEG 3000

BEG 3000 A / 3000 B / 3000 C

automatic balancing and refill unit values as above



AGK 2000

suspensions, solutions, NaCl, KCl, microorganisms etc.

$\dot{V} \approx 8\text{--}10 \text{ NI/min}$



DNP DIGITAL 3000

with touch screen and mass flow controllers

$\dot{m} \approx 0.1\text{--}25 \text{ mg/h (for carbon)}$

$\dot{V} \approx 8\text{--}70 \text{ NI/min}$

carrier gas: nitrogen or argon



LSPG 16890

aerosol generator for KCl and other salt particles up to $10 \mu\text{m}$ based on ISO 16890

$\dot{V} \approx 20\text{--}60 \text{ NI/min}$

