PAG 1000

The autonomous PAG 1000 (Portable Aerosol Generator) offers maximum flexibility for generating droplet aerosols, for example, from DEHS or low-concentration salt solutions.

The generator is small and, with a weight of only 5 kg, quite handy; being battery-powered makes it independent and quickly ready for operation. The fact that no compressed air connection is required demonstrates its flexible application options even more. A battery charge is sufficient for one working day, and if needed, the device also operates on mains operation.

Benefits

- Small, portable
- Easiest handling
- Internal pump for autonomous operation
- Particle size distribution and concentration
  - Wide setting range by high-/low-switching
  - Highest stability even for very low concentrations
  - Best reproducibility
- Robust, long-living, low-maintenance

Applications

- Test of Laminar-Flow-Boxes
- Clean room acceptance test
- Recovery test
- Smoke detector test
- HEPA/ ULPA filter testing
- Laboratory applications
- Flexible aerosol supplies on side

Features

- Internal pump for operation without a compressed air connection
- Battery or AC power operation for maximum flexibility
- 75 Wh lithium-ion battery for at least 6 hours of runtime
- High/low switch for a wide range of concentration settings
- Reproducible concentration adjustment via internal display
- Aerosol generation from DEHS, similar oils, and NaCl and KCl solutions

DATASHEET

Volume flow	0.9 – 4.6 l/min
Mass flow (particles)	< 0.9 g/h (DEHS)
Filling quantity	70 ml
Battery operation	Min. 6h (running time), Li-ion batteries 75 Wh (14,4 V; 5.200 mAh),8 cells, non-removable
Particle material	DEHS and similar oils; NaCl and KCl
Aerosol outlet connection	$Ø_{innen}$ = 7 mm,$Ø_{außen}$ = 8 mm
Dimensions	220 • 160 • 230 mm (H • W • D)
Weight	Approx. 5 kg