PLG 2000 HS



In addition to a built-in heating unit, the PLG 2000 HS generator is equipped with an automatic refill unit.

Operation principle

The liquid to be dispersed is simply filled in the reservoir. The nozzle system developed by Palas® is immersed in the liquid. This nozzle system is based on the Laskin principle and guarantees extremely precise dosing constancy with uniform particle size. The mass flow is adjusted using the volume flow through the nozzle. A pressure regulator and a manometer on the device control the volume flow.

A sensor monitors the filling level in the reservoir. If the minimum filling level is not reached, then material from an external reservoir is added using a pump. As soon as the maximum filling level has been reached, the filling of additional material is stopped automatically. The automatic refill unit enables non-stop aerosol generation for several days with the PLG 2000 HS.

Benefits

- Excellent short-term and long-term dosing constancy
- Best reproducibility with respect to particle size distribution and particle concentration
- Large mass volume range (very low and very high)
- Robust design (optionally resistant against chemically aggressive liquids)
- Compact and light
- Easy to operate, proven in industrial applications
- Reliable function
- Low maintenance

DATASHEET

Volume flow	10 – 35 l/min
Mass flow (particles)	< 20 g/h (white oil)
Filling quantity	300 ml
Power supply	115 – 230 V, 50/60 Hz
Aerosol outlet connection	$Ø_{inside}$ = 9 mm, $Ø_{outside}$ = 12 mm
Mean particle diameter (number)	0.4 μm (DEHS)
Dimensions	300 • 330 • 280 mm (H • W • D)
Weight	Approx. 12 kg
Special features	Heatable up to 100°C, with automatic refilling unit

Applications

- Filter industry/oil separators
  - Determination of separation efficiency
  - Determination of fractional separation efficiency
  - Loading test
- Test of cooling lubricant separators
- Comparison of particle measurement devices
- Tracer particles
- Flow visualization

Mehr Informationen:
https://www.palas.de/en/product/plg2000hs