

Product data sheet

Palas® Aerosol Generator for Liquids AGF 3000



Applications

- Testing compressed air filters
- Loading compressed air filters

Benefits

- High mass flow of up to 10 g/h
- Minimization of compressed air filter loading time
- Very exact volume flow control with use of mass flow controller

Description

The AGF 3000 was specially developed to supply compressed air filters as per ISO 12500-1 until the compressed air filter is saturated. The AGF 3000 system comprises an aerosol generator and an automatic refill unit.

The AGF 3000 is equipped with a binary nozzle developed by Palas®, which is also able to achieve very high mass flows of up to 10 g/h. The AGF 3000 aerosol generator is designed to be pressure-resistant up to 7 bar positive pressure (higher pressure values upon request).

Startup

The liquid to be dispersed is simply filled in the reservoir. The mass flow is adjusted using the volume flow through the nozzle. The volume flow via the special binary nozzle is continuously controlled using a mass flow controller.

The filling level in the reservoir is monitored by a sensor. If the minimum filling level is not reached, then the separate refill unit automatically fills the reservoir on the aerosol generator to the maximum filling level.