

VD 100

Dilution system



At a glance

- Weight: approx. 2,5 Kg
- Dimensions: L 28 cm x W 12 cm x H 16 cm
- Battery operated
- Continuous control of dilution ratio
- Constant dilution under varying operation conditions
- Ensures a high flow rate at the sampling location
- Made in Germany by KM OptoElektronik GmbH

The VD 100 dilution system has been developed to ensure specifically and reproducibly dilution of aerosols. By adding the VD 100 dilution system upstream, the concentration of the generated aerosol is diluted in proportion 1:100. The protection of the sensors of the particle counter from particulate pollution and over-concentration is thereby ensured, especially when using the AG 250/ AG 2500 aerosol generator as particle source. By using the VD 100 dilution system combined with the AG 250/ AG 2500 aerosol generator and a particle counter, the control of clean rooms, laminar flow boxes and safety work benches is enabled.

Applications

With the VD 100 dilution system you are realizing the control of:

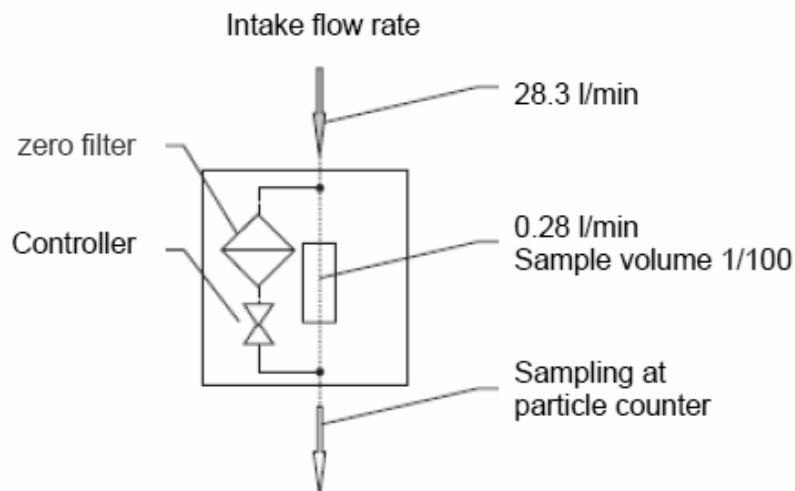
- Clean rooms pursuant to VDI 2083/ DIN1946
- Laminar flow boxes
- Cytostatic safety cabinets pursuant to DIN 12980
- Microbiological safety cabinets pursuant to DIN 12950
- Highly concentrated aerosols

Advantages

- User friendly
- Easy handling
- Low maintenance
- No auxiliary or exhaust air
- Long service life
- Can be operated in sampling rooms with negative- and over pressure
- Stainless steel housing

Principle

The inlet volume respectively flow rate of 28.3 L/min will be splitted into two partial volumes. Hereof the larger partial stream will be filtered out and the nominal partial stream of 0.28 L/min (1/100 CFM) will be measured.



Standard application

