

LDD 100 H



The dilution of large droplets is significant when measuring highly concentrated droplet aerosols. Since large droplets are challenging to dilute, standard systems only work up to a size of 1 - 2 μm . The model variant LDD 100 H can be heated up to 150 °C and thus prevents condensation.

The LDD 100 H (dilution factor 100) is the first system to dilute almost loss-free large droplets up to 10 μm

BENEFITS

- Defined dilution of large droplets of factor 100
- Proven dilution factor 100 for droplet sizes up to 7 μm
- Easy connection with Promo® and welas® digital aerosol spectrometers
- Internal pump for autonomous operations
- Resistant to pressure fluctuations of ± 200 mbar
- Simple handling
- Robust, durable, low maintenance
- Cost effective

APPLICATIONS

- Measurement of blow-by aerosols according to ISO 17536
- Dilution of compressed air
- Measurement of cooling lubricant aerosols

DATASHEET

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|----------------------------|---|-------------------|--|
| Volume flow (suction flow) | 0.5 l/min | Power consumption | 200 W |
| Installation conditions | 0 – +40 °C | Dilution factor | 1 : 101 : 100 |
| Dimensions | Control unit: 185 • 450 • 315 mm (H • W • D), dilution unit: 250 • 145 • 120 mm (H • W • D) | Weight | Control unit: 10.2 kg, dilution unit: 2.9 kg |
| Special features | Heatable up to 150 °C | | |

NORMS AND CERTIFICATES

ISO 17536