

# LDD 100



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  $\mu\text{m}$ . The dilution system LDD 100 (dilution factor 100) is the first system to dilute almost loss-free large droplets up to 10  $\mu\text{m}$

## BENEFITS

- Defined dilution of large droplets of factor 100
- Proven dilution factor 100 for droplet sizes up to 7  $\mu\text{m}$
- Easy connection with Promo<sup>®</sup> and welas<sup>®</sup> digital aerosol spectrometers
- Internal pump for autonomous operations
- Resistant to pressure fluctuations of  $\pm 200$  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

## MODEL VARIATIONS



### LDD 100 H

Version heatable up to 150 °C for large droplets up to 10  $\mu\text{m}$

<https://www.palas.de/en/product/ldd100h>

## NORMS AND CERTIFICATES

ISO 17536