



## BENEFITS

- The dilution systems from Palas® are characterized unambiguously. This is documented with a calibration certificate for each device
- The dilution steps deliver a temporally constant, representative dilution with the factors 10 and 100
- The dilution systems can be cascaded with the factors 100, 1,000, 10,000 and 100,000
- Low compressed air consumption, e.g. just 128 l/min with a dilution factor of 10,000 with four VKL 10 systems
- The dilution steps are combinable with all common particle counters
- With a simple test set-up, the users can check these cascaded dilution systems.
- Simple, functional test on-site

## DATASHEET

Volume flow (clean air)	18 – 45 l/min
Volume flow (suction flow)	2 – 5 l/min
Isokinetic suction nozzles	2 – 5 l/min
Maximum particle size	< 20 $\mu\text{m}$ (for dusts)
Compressed air supply	13 bar
Dilution factor	1 : 10
Dimensions	100 • 245 • 100 mm (H • W • D)
Weight	Approx. 4 kg
Special features	Cascadable, chemical resistant

## APPLICATIONS

- Aerosol measurement technology: diesel exhaust gases, swarfs, coolant aerosols, weld smoke, oil droplets, test aerosols of filters, and inertial separators
- Separation efficiency determination with counting measuring methods, e.g., with dust filters or HEPA/ULPA filters
- Leak test and acceptance measurements of clean rooms, isolators, and safety work benches
- Inhalation toxicology
- Quality control of respirator masks and filter cartridges



Mehr Informationen:  
<https://www.palas.de/en/product/vkl10ed>