VKL 10 ED

The VKL 10 ED model variant is a dilution system made of stainless steel, which works according to the ejector principle for chemically aggressive aerosols. The dilution system can be used up to a temperature of 700 Kelvin. Isobaric aerosol dilution up to 10 bar overpressure is possible.

The systems can be cascaded down to a dilution factor of 1:100,000.

The dilution system VKL 10 ED has no integrated pneumatical elements like the standard version VKL 10. The control of the defined clean air volume flow for the mixed air is a prerequisite for operating the VKL 10 ED.

优势

- Palas® 稀释系统具有明确的产品特征。每台设备均附带校准证书作为证明
- 稀释级可提供时间恒定、具有代表性的稀释，稀释因子为10 和100
- 稀释系统可级联为因子100、1,000、10,000 和100,000
- 压缩空气消耗量低，例如使用四个VKL 10 系统实现10,000 倍稀释时，消耗量仅为128 升/分钟
- 稀释级可与所有常见颗粒计数器组合使用
- 通过简单的测试设置，用户可以自行检查这些级联稀释系统
- 简单的现场功能测试

应用领域

- 气溶胶测量技术：柴油发动机废气、切屑、冷却液气溶胶、焊接烟尘、油滴、过滤器和惯性分离器的测试气溶胶
- 使用计数测量方法测定分离效率，例如：除尘过滤器或HEPA/ULPA 过滤器
- 洁净室、隔离器及安全操作台的泄漏测试与验收测量
- 吸入毒理学
- 呼吸防护面罩及滤毒盒的质量控制

技术数据

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 µm (for dusts)
Compressed air supply	13 bar
Dilution factor	1 : 10
Dimensions	100 • 245 • 100 mm (H • W • D)
重量	Approx. 4 kg
Special features	Cascadable, chemical resistant