

# Comde Derenda LVS 3.1

## Dust collector

The Comde Derenda LVS 3.1 is a sampler which collects particles in suspension on sampling filters according to the standard EN 12341: 2014 (PM10 and PM2.5). They absorb ambient air and fractionates particles suspended in a sampling port. The particles are collected on a filter and made available for further gravimetric evaluation or analysis. The volume flow is adjusted electronically to an accuracy of  $\leq 2\%$ .



- ✓ **Rental from one day**
- ✓ **Technical assistance included**
- ✓ **Comply with EN 12341 et 14907 norms**



### TECHNICAL SPECIFICATIONS

AIR FLOW	2,3 m <sup>3</sup> / h. Up to 35 m <sup>3</sup> / h with a glass fibre filter.
CONTROLLED VOLUMETRIC FLOW	1.0 ...3.5 m <sup>3</sup> /h(Nm <sup>3</sup> /h)
SAMPLING TIME	1 min ... 1000 h
FILTER DIAMETER	47 mm (50 mm optional)
SAMPLING DIAMETER	41 mm
INTERNAL PUMP	4 m <sup>3</sup> rotary vane vacuum pump
OUTPUT	RS-232C / SD card
POWER SUPPLY	230 V, 50/60 Hz
POWER REQUIREMENTS	Approx. 240 VA
OPERATING TEMP.	- 30 à + 50°C
OPERATING HUMIDITY	0 - 100 % HR
ACOUSTIC LEVEL	< 31 dB
DIMENSIONS	(W x D x H) 36 cm x 29 cm x 49 cm
WEIGHT	17 kg
PROTECTION CLASS	IP55

### KEY POINTS

- Simple operation with thumbwheel
- Electronically controlled volumetric flow rate
- Several operating modes
- RS232C interface - SD card
- Display of pressure, temperature and humidity

### APPLICATIONS

- Air quality analysis
- Environmental impact studies

#### For more information

www.cleanaireurope.com  
 cleanair.europe@cleanair.com  
 +33 4 91 87 82 10