1001 FLOWCUBE - LOW FLOW FLOWMETER

OPERATING PRINCIPLE

The 1001 Flowcube is a low flow standard flowmeter allowing the verification of an air flow between 10 and 55 NL/h.

Due to its design, this flowmeter is particularly recommended for checking the air flow rate at the inlet of a MARC or HAGUE 5000/7000 type bubbler.

It is equipped with a thermal mass sensor (flow rate value not influenced by variations in air pressure and temperature) and has a calibration menu allowing it to correct its calibration accuracy if necessary during its COFRAC calibration. The flow rate it displays is therefore a COFRAC-certified flow rate without any correction to be made, which can then be compared with the flow rate of the equipment to be checked.

In order to avoid the introduction of particles in the air circuit, this flow meter is equipped with an air filtration at the inlet (paper filter) as well as a GORETEX type filter positioned upstream and downstream of the flow sensor.



TECHNICAL SPECIFICATIONS

- **Power supply:** 230 Volts / 50 Hz
- **Power:** 2 Watts 3 VA
- **Dimensions W x H x D:** 230 x 260 x 175 (mm)
- **Weight:** 2.5 kg with cord
- **Aluminium alloy monocoque chassis**
- **Paint:** Blue glossy leather grain RAL 5010 type EPOXY decontaminable polyester
- **Stainless steel intake and exhaust Ø 6,4 mm**
- **Paper filter (Ø 45 mm) at intake**
- **Carrying handle**
- **Electronic thermal mass flow meter**
- **Electrical protection:** differential circuit breaker (30mA) and fuse (1A)
- **Operating temperature:** - 0°C to +45°C
- **Delivered with IEC power cord**

INTEGRATED FUNCTIONS

- Air flow measurement from 10 to 55 NL/h and cumulative air volume
- Choice of normalisation temperature between 0°C and 25°C
- Calibration menu: correction of calibration accuracy
- Volume reset function
- Display: backlit LCD screen
- Audible and visual alarm in case of faults
- Alarm on/off button on front panel

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