

SwemaFlow 4001 – Airflow Hood

3...1500l/s 10.8...5400m³/h 7...3100cfm



SwemaFlow 4001
Art.No. 770070

- 300 grams lighter
- Hold function
- Memory
- Barometer pressure
- Temperature
- Real or Standard flow

SwemaFlow 4001 is suitable to measure over high and low flow diffusers, it measures both supply and exhaust air flow, from 3 to 1500l/s (10.8 to 5400m³/h; 7 to 3100cfm).

Swema unique measuring principle - a net of hot wires gives an accurate average value at low air flow. The wide cross section minimizes the restriction of the flow, the throttle effect. The flow measurement section is well defined and the flow hood features high accuracy both for supply and exhaust air. When placing the hood to an air terminal device a measurement value is instantly displayed.

The temperature and the barometric pressure is measured to compensate the flow for air density.

Accessories



250x1200mm hood
Art.No. 764420



650x650mm Cross for Swirl Diffusers
Art.No. 769630



SWEMA AB
Pepparvägen 27
SE-123 56 Farsta, Sweden

Tel: +46 8 94 00 90
swema@swema.se
www.swema.se

Application



Technical Data

Air flow: Measurement range; Measurement uncertainty
3...1500l/s (10.8...5400m³/h); $\pm 3,5\%$ read value, min ± 0.5 l/s
7...3100cfm; $\pm 3,5\%$ read value, min ± 1.1 cfm

Temperature: 0...50°C; ± 0.6 °C <50l/s, ± 0.4 °C >50 l/s
32...122°F; ± 1.1 °F <106cfm, ± 0.7 °F >106cfm

Atmospheric pressure: 600...1200hPa; ± 3.5 hPa
18...35 inHg; ± 0.1 inHg

(At 95% coverage probability in non condensing, non moist air <80%RH, non aggressive gases)

Memory: 9999 measurements
Size: 1120x680x680 mm (with Hood 650x650mm)
Weight: 3.7kg (with Hood 650x650mm)
Battery charging time: <4 hours

Measuring principle: Mass flow, net of hot wires

