SwemaFlow 126

Air flow Hood

SwemaFlow 126 is ideal for testing, adjusting and balancing (TAB) of air flows up to 125 l/s, 260 cfm. SwemaFlow 126 uses the proven Swema principle, a net of hot wires, which gives a good and accurate mean value for supply and exhaust air flows. Measured values can be stored and transferred to PC.

SwemaFlow 126 Twin is additionally equipped with a built-in Bluetooth modem. Proportional balancing is made easy by wireless communication with a Swema 3000 or SwemaMan 8 placed on the reference valve.

Hoods

The standard hood for SwemaFlow 126 is 300x300mm. However hoods such as 650x650mm and 250x650mm are recommended for measuring air flows from larger and angled outlets. The 650x650mm hood can be equipped with a cross to disrupt the swirl created by swirl diffusers.

Pressure drop compensation

The "Back pressure method" takes two measurements, one with a restriction ring and one without. SwemaFlow 126 calculates the uninfluenced flow rate. A "Flow factor" can scale the flow, which could be useful when balancing a ventilation system.

Barometer, temperature

Temperature and barometric pressure are measured to present the flow at Real or Standard density. Select Real or Standard flow with the PC-setting.

Part.No. 769580
SwemaFlow 126, 300x300 mm hood, restriction ring, charger (230 V), USB cable, calibration certificate, manual & case

769980
SwemaFlow 126, as above with additional Bluetooth.

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Technical Data

Measuring range

Air flow:	1.5...125l/s, 5.4...450m³/h, 3...260 cfm
Temperature:	0...50°C, 32...122°F
Barometer:	600...1200 hPa, 18...35 inHg

Measurement uncertainty

Air flow:	±3,0% read value (at 20...25 °C) min ±0.5l/s, ±1.8 m³/h, ±1 cfm
Temperature:	±0.5 °C, ±1.0 °F
Barometer:	±3.5 hPa, ±0.1 inHg

Back pressure method uncertainty
±10% read value, minimum 1 l/s, 2.1 cfm.
Back pressure method according to EN 16211:2015 method ST 33 and ET 23.

Uncertainty according to GUM (JCGM 100:2008) using a coverage factor of 2, which for a normal distribution corresponds to a probability of 95%. It is important to correct the measurement values with the corrections stated in the calibration certificate to obtain the above uncertainties.

Non condensing, non moist air, <80%RH, non aggressive gases.

General

Functions:	Hold, display light, back pressure method, scaling.
Memory:	9999 measurements
Size:	575x330x330 mm (with Standard Hood 300x300mm)
Weight:	1.82kg (with Standard Hood 300x300mm and Ring)
Battery:	Sufficient for one working day, <2 hours charging time.

Accessories

300x300mm hood
Part.No. 761550

250x650mm hood
760740

650x650mm hood
769640

Cross for Swirl Diffusers
(Fits inside the 650x650mm hood)
769650

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