

# SwemaFlow 126

## Air flow Hood



### Barometer, temperature

Temperature and barometric pressure are measured to present the flow at Real or Standard density.

#### 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.

**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.



SWEMA AB  
Pepparvägen 27  
SE-123 56 Farsta, Sweden

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

## Technical Data

### Measuring range

Air flow: 1.5...125l/s, 5.4...450m<sup>3</sup>/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 m<sup>3</sup>/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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