

# SwemaFlow 126 – Airflow Hood

1.5...125l/s    5.4...450m<sup>3</sup>/h    3.2...260cfm

---



**SwemaFlow 126**  
**Art.No. 769580**

- **150 grams lighter than previous model**
- **Back Pressure function**
- **Flow Factor function**
- **Barometer pressure**
- **Temperature**
- **Real or Standard flow**

**SwemaFlow 126** measures both exhaust and supply air from 1.5 to 125 l/s; 5.4 to 450m<sup>3</sup>/h; 3.2 to 260 cfm. SwemaFlow 126 measures with the Swema unique principle of a net hot wires. The net allows low flow and also a wide opening. The net of hot wires covers the whole opening which gives an accurate mean value and minimises the throttle effect. To measure in angled outlets and supply air larger hoods -650x650 and 250x650mm are recommended. Temperature and barometric pressure are also measured to compensate the flow for air density. The digital display can toggle inbetween l/s, m<sup>3</sup>/h, °C, hPa. (A PC-setting sets the units to cfm, °F, inHg). When turning ON by pressing red and blue button the display light is illuminated.

## **Pressure drop compensation – Back pressure**

Taking two measurements, one with a placed restriction ring and one without it, SwemaFlow 126 calculates the factor to be considered to compensate for the restriction in the air flow. This measurement method - Backpressure method - has proved to have good accuracy even in low pressure ventilation systems, with a total standard measurement error lower than 10%, including the error of the method.

## **Air Flow scaling**

Apart from the Backpressure methode it is possible to show the flow multiplied with a Flow Factor. This is good when balancing the flow and Flow Factor is calculated with the backpressure methode. A Hold function can lock the measured value.



SWEMA AB  
Pepparvägen 27  
SE-123 56 Farsta, Sweden

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

## Measuring

The measuring unit of the flow capture measuring unit has two handles to hold when pressing the capture onto the outlet. The measured values are easily stored by means of a button on the measuring unit. The charging time of the chargeable battery in the measuring unit is one to two hours and the charge is sufficient for a normal working day.

## Barometer, temperature

Density compensation is possible since temperature and barometric pressure is measured. Select Real or Standard flow with the PC-setting.

## Accessories



**250x650mm hood**  
**Art.No. 760740**



**650x650mm Hood**      **Art.No. 769640**  
**with Cross for Swirl Diffusers**      **Art.No. 769650**



**300x300mm hood**  
**Art.No. 761550**



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  
1.5...125l/s (5.4...450m<sup>3</sup>/h); ±3,5% read value, min ±0.4l/s  
3.2...260cfm; ±3,5% read value, min ±1.1cfm

Temperature: 0...50°C; ±0.5°C  
32...122°F; ±1.0°F

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

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

Memory: 9999 measurements  
Size: 575x330x330mm (with Standard Hood 300x300mm)  
Weight: 1.82kg (with Standard Hood 300x300mm and Ring)  
Battery charging time: <2 hours

Measuring principle: Mass flow, net of hot wires



SWEMA AB  
Pepparvägen 27  
SE-123 56 Farsta, Sweden

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