

380-43408 Aspirated Solar Radiation Shield

The **380-43408 Aspirated Solar Radiation Shield** employs concentric downward facing intake tubes and a small canopy shade to isolate the sensor from direct and indirect radiation. A continuous duty blower draws ambient air through the intake tubes and across the sensor minimizing heat transfer to the sensor.

- Small shield size reduces the surface area exposed to incoming radiation during the day.
- Specially selected plastic materials provide high reflectivity and maximum weatherability.
- Brushless 12V DC blower is designed for continuous duty of 80,000 hours at 25° C (77° F).
- Tower mounting hardware provided for 1" to 2" diameter leg members.



380-43408 Aspirated Sunshield

Capacity	1 probe (temperature, humidity or combined temp/RH) Standard unit supplied with blank mounting plug. Plug may be drilled to order (26 mm max.)
Radiation error:	
Ambient Temp	<0.2°C (0.4°F) RMS (@1000 W/m ² intensity)
Delta T	<0.05°C (0.1°F) RMS with like shields equally exposed
Aspiration Rate	3.4 to 7.6 m/s (11 to 25 fps) depending on sensor size
Power Requirement	12 VDC @ 500 mA for blower, AC adapter included
Material	UV stabilized thermoplastic shield, white. Aluminum cross tube & mounting brackets, white painted Stainless steel U-bolt clamp
Mounting	Adjustable V-blocks and U-bolts fit vertical, horizontal or diagonal tower members 25-50 mm (1-2 in) dia.
Compliance	CE requirements for the EMC Directive (Shielded cable must be used.)
Size	Length: 110-190 cm (43-75 in) adjustable Shield: 34 mm (1.3 in) dia. x 10 cm (4 in) length Blower Housing: 15 cm (5.9 in) dia. x 9 cm (3.5 in) length
Weight / Shipping	5.3 lb (2.4 kg) / 13 lb (5.9 kg)

ORDERING INFORMATION

380-43408	Aspirated Solar Radiation Shield with 110V / 60 Hz AC Adapter
380-43408H	Aspirated Solar Radiation Shield with 230V / 50-60 Hz AC Adapter
380-41390	Junction box for sensors up to 0.4" (10 mm) diameter

MODEL 43408 ASPIRATED RADIATION SHIELD
12 VDC/420mA BRUSHLESS DC MOTOR

