

Aspirated Radiation Shielded, RADShield-2™

DATA SHEET

FEATURE SUMMARY

- Direct mount to 1" pipe
- Ducted exhaust
- 12 VDC or 24 VDC fan
- Self-powered design
- Tool-less assembly
- 7800 RPM
- 9 CFM fan



DESCRIPTION

RADShield-2™ isolates temperature and humidity sensors from incident solar and thermal radiation sources. The integrated fan ensures equalization with ambient conditions when used in still-air environments, whether indoors or outdoors.

A unique feature of the Dyacon design is the ducted airflow, heated air is discharged away from the radiation shield. This prevents recirculation in still-air environments.

RADShield-2 uses a simple design that is easy to service in the field. Whether used with Dyacon temperature sensors or user-provided sensors, installation is easy and fast.

RADShield-2 mounts on a horizontal 1" pipe. An angled cut in the end, provides for ducted airflow down the mounting pipe and away from the temperature sensor.

KEY FEATURES

Construction: UV-stabilized PVC.

Fan: Brushless, ball bearing, DC fan, 12 VDC or 24 VDC options. 9 CFM at 7800 rpm.

Installation: The mounting bracket fits over 1" pipe, Sch-40, aluminum or PVC.

MECHANICAL

Housing	UV-stable RPVC
Cable	Outdoor, 20 AWG, Stranded, 2-Cond Red-Blk, PVC Insulation, Gray PVC Jacket
Dimensions	15.8 cm x 13.3 cm diameter 6.25" x 5.25" diameter
Weight (2 m cable)	385 g 13 oz
Sensor Compartment	5.6 cm depth x 1.1 cm diameter 2.2" depth x 0.45" diameter

FAN *

Operating Voltage	12 VDC (24 VDC option)
Current	84 mA at 12 VDC
Noise	<30 dB
Air Flow	9 CFM

*Specifications are based upon fan manufacturer data.



Aspirator shown with disassembled TPH-1 Sensor.



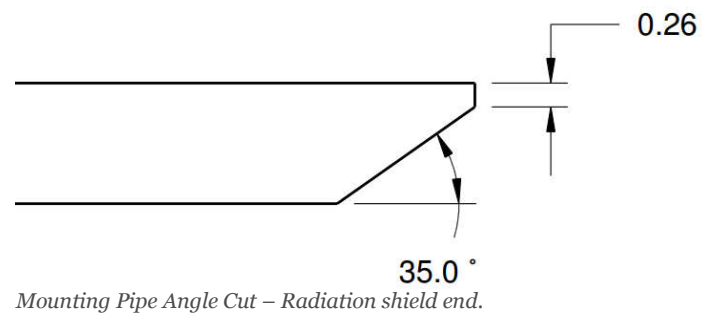
Aspirator is available as an upgrade kit.

ENVIRONMENTAL *

Operating Humidity	0% to 100% RH
Operating Temperature	-20°C to 75°C (fan)

ACCESSORIES

Accessories	XOVR-2™ Crossover Mounting Bracket. 75-6063, Mounting Pipe. KIT-TPHMNT, includes XOVR, pipe, band clamps, and Tee.
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Cut mounting pipe, sensor end.



Tee on opposite end prevents reverse air flow.