

32003169-001 Static Pressure Probe

INSTALLATION INSTRUCTIONS

APPLICATION

The Static Pressure Probe is designed to pick up static pressure in a duct, plenum, air handler or other HVAC equipment. The probe has two orifices vertically opposite each other that cancel out any airflow induced errors. When the air flows across an orifice, it creates a suction toward that orifice. When the same air flows across the other orifice, it creates an opposing suction that cancels out the first pressure drop. Regardless of the velocity, flow error is constantly cancelled out and the Static Pressure Probe provides an accurate, repeatable and stable static pressure value.

SPECIFICATIONS

Pressure Ratings:
Maximum: 10 psig.

Temperature Ratings:
Maximum: 482°F (250°C).

Air Flow:
Maximum: Unlimited.

Port Connections:
1/4 in. (6 mm) brass hose barb.

Material:
Body: 6061T-6 aluminum alloy.
Gasket: Neoprene.

Weight:
1.5 oz (0.7 kg).

Dimensions:
See Fig. 1.

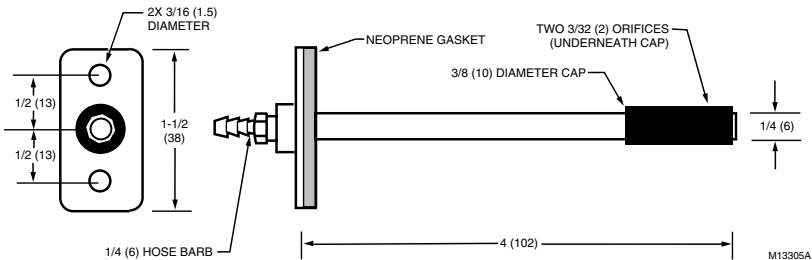


Fig. 1. 32003169-001 Static Pressure Probe dimensions in in. (mm).



INSTALLATION

When Installing this Product . . .

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.
5. Follow local codes for installation and application.

Location

Mount the Static Pressure Probe on the duct, plenum, or air handler to allow exposure to the average airflow. Avoid locations where air stratification can cause changes in airflow.

Mounting

See Fig. 2 for mounting the probe on a flat duct or plenum surface:

1. Drill a 1/4 in. (6 mm) hole in the duct or plenum surface at the desired location.
2. Insert the probe into the duct or plenum.
3. Use the label on the probe to position, mark and drill the two holes for the mounting screws.
4. Fasten the probe to the duct or plenum surface with two self-tapping sheet metal screws (not provided).

NOTE: Includes a 1/4 in. (6 mm) brass hose barb for PVC/copper tubing connections.

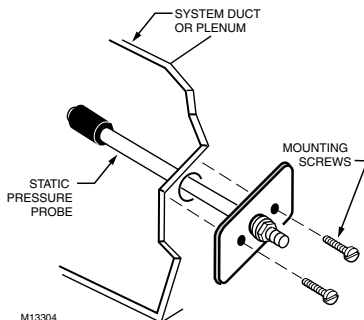


Fig. 2. Mounting static pressure probe.

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