

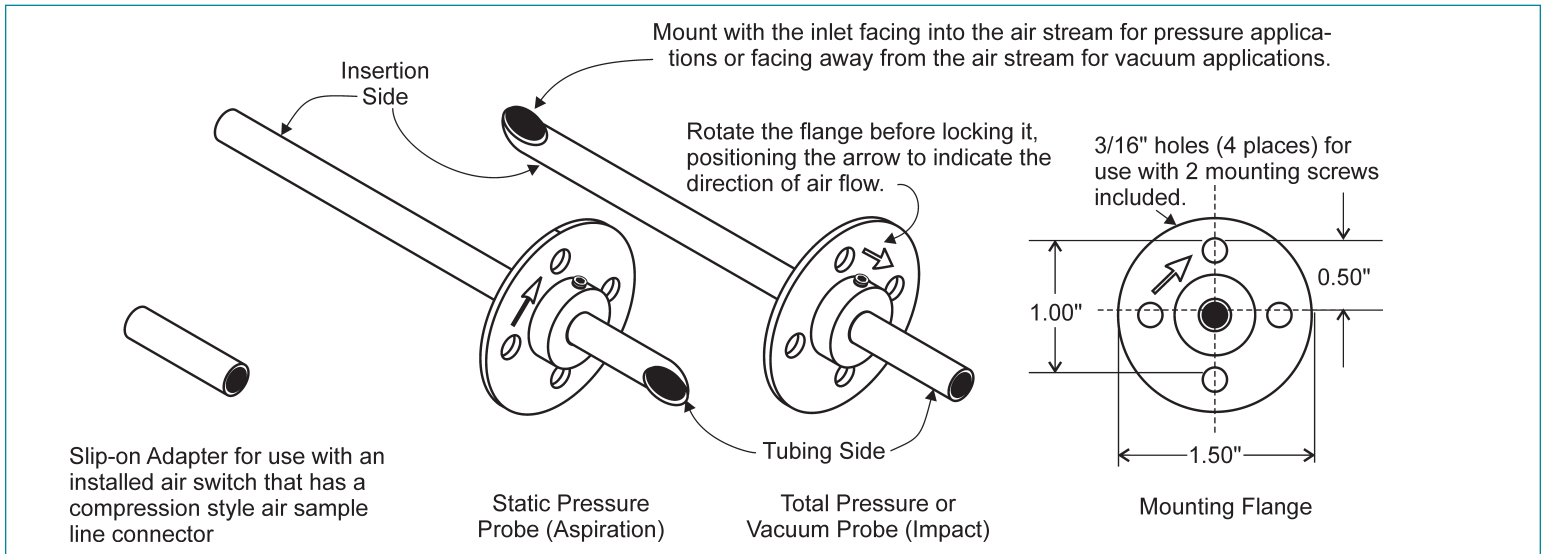


FOR AIR PRESSURE SENSING SWITCHES

P/N 60681

The P/N 60681 Sensing Probe Kit provides a simple, practical and standardized approach to sampling air for HVAC air pressure sensing switch applications. This convenient kit includes a 7" universal air sample probe suitable for both static and impact applications. The included mounting flange is efficiently installed using the (2) 6-32 x 3/8" type 25 tap screws. The mounting flange locks the air sample

probe in place via a 6-32 x 1/4" slotted set screw, providing a standard method of controlling the insertion depth of the air sample probe into the air stream. Three feet of clear vinyl tubing is included in the kit for connecting the air sample probe to the air switch. Also provided is a slip-on adapter for use with an installed air switch equipped with a compression style air sample line connector.



SENSING PROBE KIT CONTENTS

Qty.	Description
1	Universal Probe, 7"
1	Mounting Flange
1	Flange-locking Set Screw, 6-32 X 1/4", slotted
1	3' Tubing, clear vinyl, 1/4" ID x 3/8" OD x 1/16" wall
2	Flange-mounting Screw, 6-32 x 3/8" tap type 25
1	Slip-on Adapter, 1/4"

RECOMMENDED INSTALLATION GUIDELINES

1	Position the probe 5 to 8 duct diameters downstream from elbows, obstructions, or any significant change in duct area.
2	The probe has a straight-cut end and an angle-cut end. Insert probe into duct perpendicular to airstream so that: <ul style="list-style-type: none"> • Aspiration (static) application: the straight-cut probe tip opens parallel with the airstream. • Impact (total pressure or vacuum) application: the angle-cut probe tip opens directly into the airstream.
3	Use a small screwdriver to loosen the set screw on the flange hub. Move the flange to set the desired probe insertion depth and tighten the set screw.



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TYPICAL APPLICATIONS (SEE FIGURES 1-6)

1	Positive static pressure increases as the filter gets dirty.	
2	Differential across filter changes as filter gets dirty.	Requires two Sensing Probe Kits.
3	Flow is reduced as filter gets dirty.	
4	Fan operation or air flow with little or no static pressure.	
5	Negative pressure increases as the filter gets dirty.	
6	Fan operation and true air flow: varying amounts of static pressure. Probes must be perpendicular to air flow.	Requires two Sensing Probe Kits.

