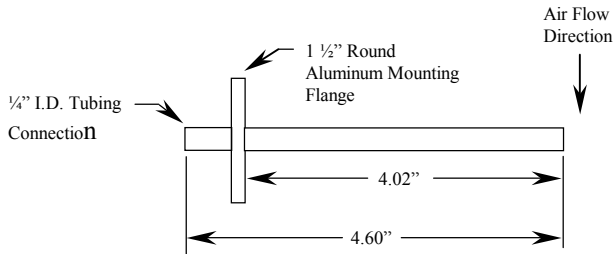
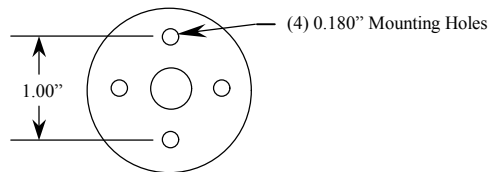
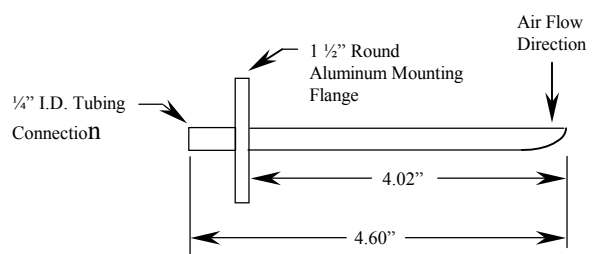


Important!
PLEASE READ THE FOLLOWING INFORMATION BEFORE INSTALLING

ACI/SPT (Static or Aspiration Pressure Probe)



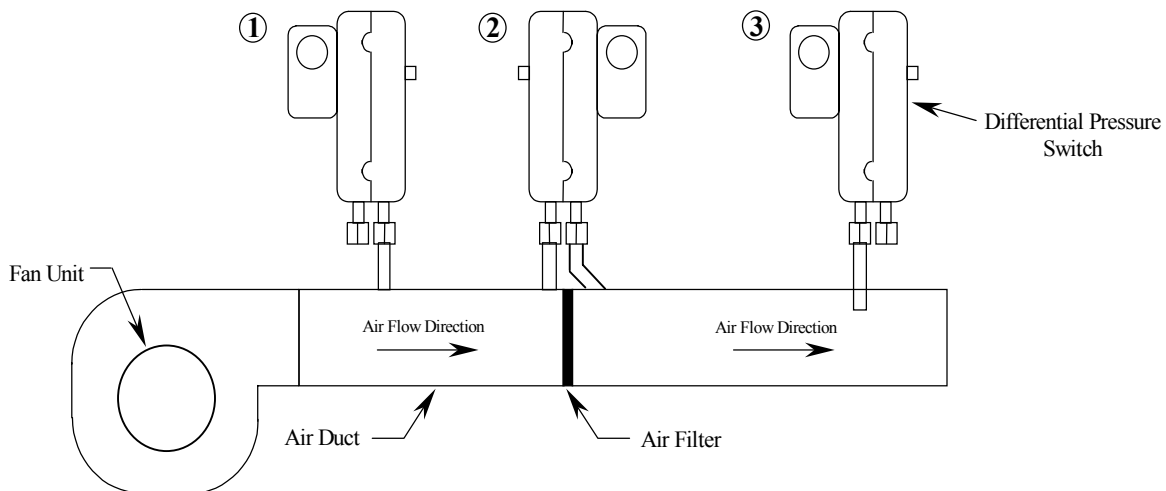
ACI/VPT (Velocity or Impact Pressure Probe)



■ MOUNTING & LOCATION INFORMATION

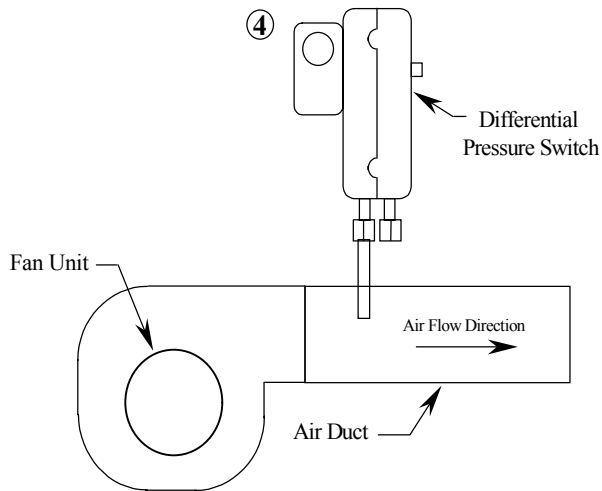
Select a position that is 5 to 8 diameters downstream from elbows, obstructions, or large changes in duct area. Insert the probe into the duct so that it is perpendicular to the airstream. The **Aspiration** or **Static** probe tip should open parallel with the airstream. The **Impact** or **Total Pressure** probe tip should open directly into the airstream. The following diagrams show some of the locations for the ACI/SPT and ACI/VPT. The numbers by each of the pressure switches correspond to the following notes below the picture. These drawings will show some of the most common applications for both the **Differential Pressure Switches** and the **Pitot** or **Pick up Tubes**.

Applications #1, #2, and #3



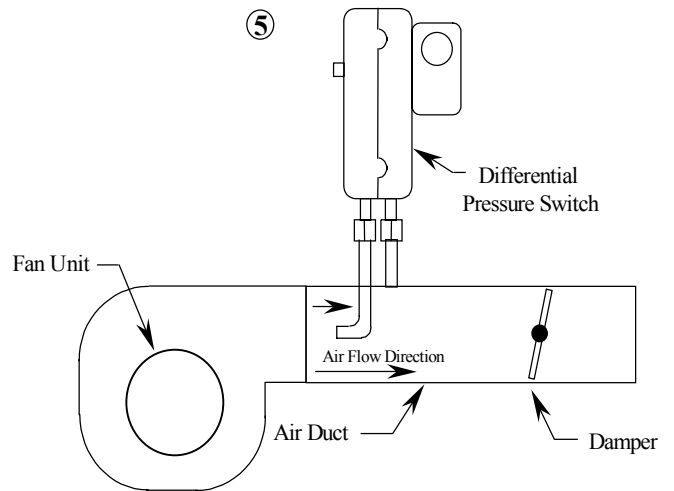
- ① Positive static pressure increases as the filter gets dirty
- ② Differential across filter changes as the filter gets dirty
- ③ Flow is reduced as the filter gets dirty.

Application #4



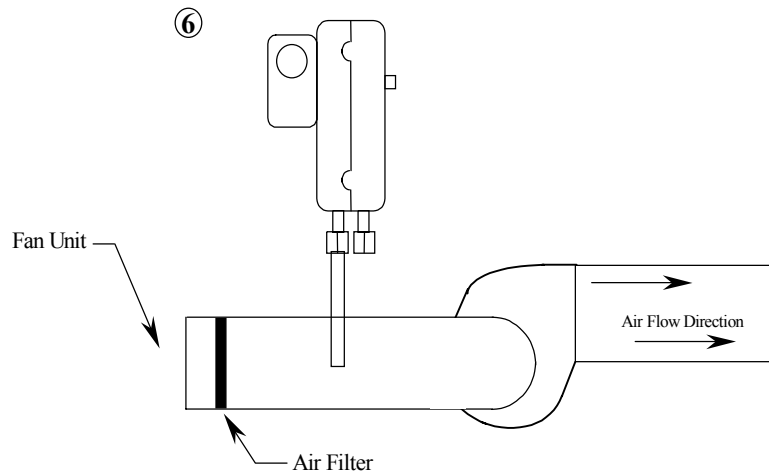
④ Fan Operation or True Air Flow with little or no Static Pressure

Application #5



⑤ Fan Operation and True Air Flow; Varying amounts of Pressure. Probe must be perpendicular to Air Flow

Application #6



⑥ Negative Pressure Increases as the Filter gets Dirty.

Pressure Conversion Table	
1" w.c.	= 0.0361 psi or 0.0735" Hg
1" Hg.	= 13.6" wc. or 0.491 psi
1 psi	= 27.7"wc. or 2.036" Hg.