

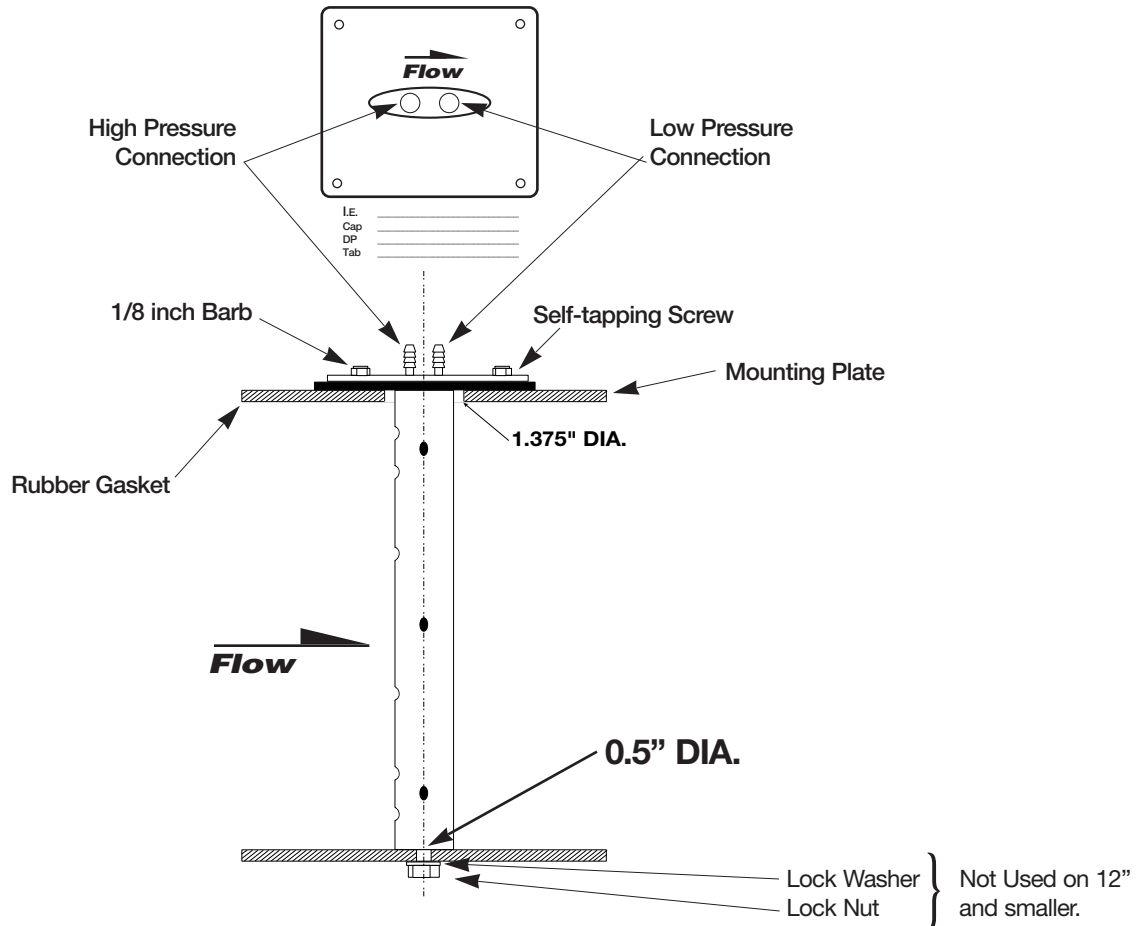
# TRIA TEK INSTALLATION GUIDE

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## Overview and Installation

### FP-AYR

Flow  
Measuring  
Probe



### Overview:

TRIA TEK's FP Series insertion type flow probes offer great accuracy and ease of installation to the user. These probes are made of anodized aluminum 6063-T3 for long life, long term repeatability and low maintenance. They can be used for measurement of air and gases. The unique design gives precise measurements while minimizing turbulence and line noise. The design also provides for low pressure drop.

### Installation Instructions:

1. For maximum accuracy, choose a point along the duct that is at least **7 1/2** duct diameters from the closest opening, fitting, turn or size change.
2. On the side of the duct into which the probe will be inserted, cut a 1 3/8" diameter hole.
3. On the side opposite the insertion point, drill a 1/2" hole (not needed for probes 12" and shorter).
4. Remove the retaining nut from the end of the probe (not on probes 12" and shorter).
5. Insert the probe through the 1 3/8" diameter hole, and position as needed to pass the threaded bushing on the end through the 1/2" hole on the opposite side (if Probe is 12" or longer).
6. Observing the arrow on the flow probe mounting plate indicating the direction of flow, rotate the probe to position it in the direction needed (flow arrow pointing in the direction of air flow).
7. Using the four mounting holes in the probe mounting plate as a template, drill four holes for use with #6 self tapping screws.
8. Secure the probe mounting plate with four #6 self tapping screws.
9. For probes more than 12" long, place retaining nut on threaded bushing on open end of probe.
10. Connect air tubes from differential pressure transmitter on High and Low pressure fittings of the FP-AYR probe.

Due to continuous product improvement, TRIA TEK reserves the right to change product specifications without notice.