Overview and Identification

The Low Profile Pressure Port is ideal for locations where aesthetics are as important as the pressure measurement. The inconspicuous sensor mounts easily by pushing through a 7/16" hole and secured with an adhesive ring. The only visible portion is a flush 7/8" dot on the wall. The built in surge damper provides five-micron filtering and smoothes out rapid variations in air pressure for a more stable reading.
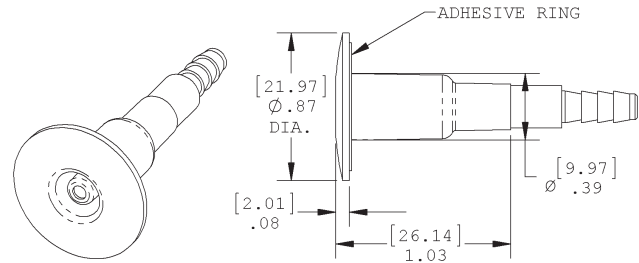

ADHESIVE RING

[21.97] Ø.87 DIA.

[9.97] Ø .39

[2.01] .08

[26.14] 1.03

Fig 1: Low Profile Pressure Pickup Port (ZPS-ACC20)

Mounting

1. Select a location with a flat surface on an interior wall or ceiling.

2. Drill a 7/16" hole where you want the pressure port mounted. Pull the pneumatic tubing through the hole and push the pressure port into the tubing until all the barbs are covered. (Figs 2 & 3)

3. Test the attached pressure transmitter at the controller to be sure of your connections and pressure port operation. Note: Once installed, the pressure port is difficult to remove and may damage the wall.

4. Clean the wall surface from any dust or filings to make a clean mounting surface.

5. Remove the mounting tape release sheet from the back of the sensor rim and push the pressure port firmly into the 7/16" hole until the adhesive ring adheres securely to the wall. Make sure the pneumatic tubing does not kink.

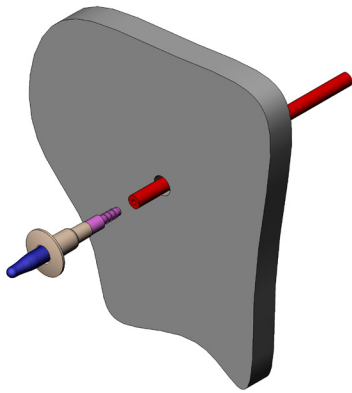6. Remove protective cap from pressure port. (Fig. 4)
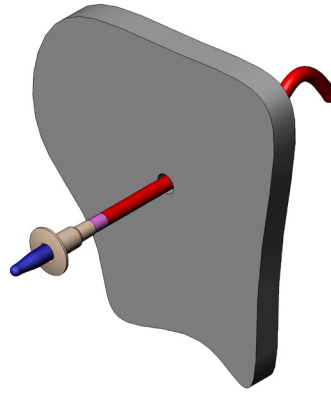

Fig 2: Tubing through wall
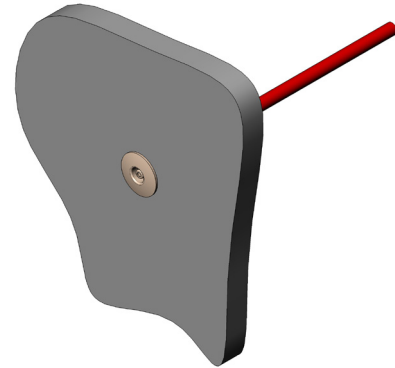
Fig 3: Push Pressure Port on Tubing

Fig 4: Push Pressure Port onto Wall and Remove Blue Cap

Note: The unit can be painted, but care should be taken not to fill the cavity with excess paint. The unit should not be covered with any material such as wall paper. Protective cap must be removed to read pressure.

Specifications

Mounting: 7/16" hole, push in plastic sheath with an adhesive ring

Configuration: Round Flush Sensor Sheath

Dimensions:
Insertion: 1.74" depth (44.2mm), into a 0.438" hole
Sleeve: 0.375" (9.53mm) Diameter
Bezel 0.88" (22.2mm) Diameter

Material: Plastic, UL94V-0

Filter: 5 Micron

Ambient
0 to 100% RH, Non-condensing
-40ºF to 185ºF, (-40º to 85ºC)