

V-5700, V-5800 Series Vacuum Piloted 3-Way Valve



The V-5700, V-5800 Series Vacuum Piloted 3-Way Valve has an adjustable vacuum pilot setpoint. The adjustable vacuum pilot can be set to sense vacuum between 1 to 28" Hg. Maximum vacuum of 29.9" Hg. The 3-Way Valve is Normally Open or Normally Closed. The Normally Open valve senses the adjusted vacuum setpoint and turns the output off. The Normally Closed valve senses the adjusted vacuum setpoint and turns the output on.

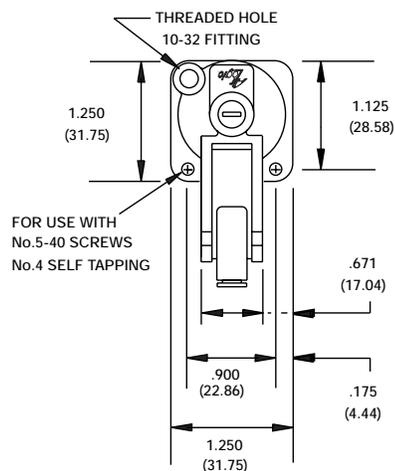
Four mounting styles are available: The standard flush mount; the panel mount has a unique thread that goes from 1/8-27 tapered pipe thread to 1/8-27 straight pipe thread for mounting; the manifold mount is designed to mount directly on pneumatic circuit boards or manifold subplates - a Buna N o-ring is supplied; and 1/8 NPT mount which has 1/8-27 tapered pipe threads. The pilot input is furnished with a B80 Barb, 10-32 Barbed Fitting for 1/16" I.D. tubing. The output has instant push in fittings for 5/32 O.D. tubing.

ORDERING INFORMATION (Order by model number for Normally Open or Closed, Sensing Range, Mounting Style and Pilot Port Connection).

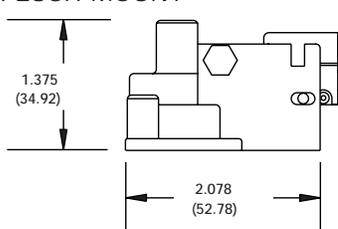
Model Number	Valve Operation	Sensing Range	Mounting Style	Port Connection
V-5700	Normally Open - Senses vacuum/ Turns Output OFF	5-1.0 to 5" Hg 10-2.5 to 10" Hg 28-3.5 to 28" Hg	FM-Flush Mount PM-Panel Mount 1/8-27 NPS MM-Manifold Mount	B80-Barb for 1/16" I.D. Tubing B85-Barb for 1/8" I.D. Tubing
V-5800	Normally Closed Senses vacuum/ Turns Output ON		PT-Pipe Thread Mount 1/8-27 NPT	No Accessory Number required for a B-80 Barb

DIMENSIONS

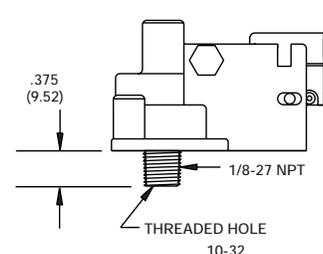
() = Metric Dimensions



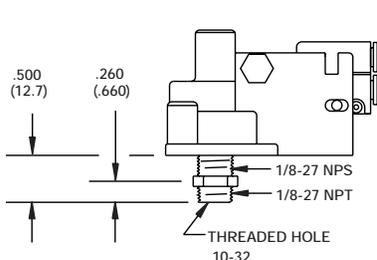
FLUSH MOUNT



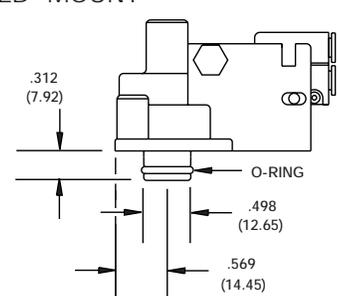
1/8 NPT MOUNT



PANEL MOUNT



MANIFOLD MOUNT



FEATURES

- Subminiature Size
- Low Differential
- Fast Response

SPECIFICATIONS

Mechanical

Operating Speed: Activate or release in 65 milliseconds
Signal Pressure: 100 PSI maximum
Pilot Adjustment: 1 to 28" Hg
Temperature Limits: 40° to 120°F. (4° to 49°C.)

MATERIALS

Housing: Polysulfone
Diaphragm: Polyurethane
Spring: Stainless Steel or Music Wire

MOUNTING

Flush Mount: mounting hole .125" diameter, use No. 4 self-tapping or 5-40 screw
Panel Mount: 1/8-27 NPT to 1/8-27 NPS, 10-32 female internal threads
Mounting hole size 7/16" diameter. Supplied with mounting nut
Manifold Mount: Two mounting holes .125" diameter, use No. 4 self-tapping or 5-40 screw, supplied with Buna N o-ring
1/8 NPT Mount: 1/8-27 male tapered pipe threads with 10-32 female internal threads

PORT CONNECTIONS

Pilot Input: 10-32 female threads
1/8-27 male tapered pipe threads with 10-32 female internal threads furnished with 10-32 Barbed Fitting for 1/16" I.D. tubing.
Output: Instant push in fitting for 3/32" I.D. x 5/32" O.D. tubing