



3-WAY STEM VALVES



3-Way Stem Valves

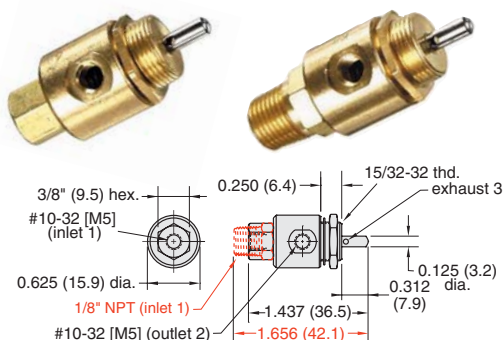
3-way valves are 2-way valves with the added function of exhausting the outlet when the valve is closed. When the stem is depressed, the valve is in the "on" position allowing air to flow from the inlet to the outlet while

blocking the exhaust. Releasing the stem closes the inlet and opens the outlet to an exhaust port which vents the outlet to atmosphere. 3-way stem valves may have a poppet or spool and be Normally-Closed (N.C.) or Normally-Open (N.O.).

Medium: Air **Stem Travel:** 1/8" (3.2)

Materials: Brass body, Buna-N seals, stainless steel stem and spring

Miniature 3-Way Poppet Valves



Input Pressure: 300 psig/21 bar max.

Air Flow: 4.0 scfm @ 50 psig; 6.8 scfm @ 100 psig;
170 l/min @ 6 bar

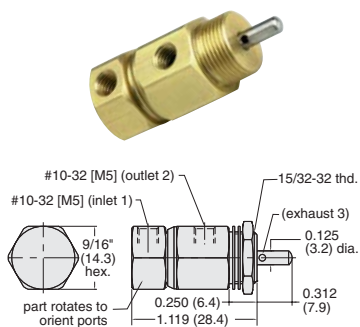
Force For Full Stem Travel: 24 oz. nominal

Mounting: 15/32-32 thread. Nut and lockwasher furnished.



Part No.	Description
MAV-3	Miniature Poppet Valve, #10-32
MAV-3-M5	Miniature Poppet Valve, M5
MAV-3P	Miniature Poppet Valve, 1/8" NPT

N.C. Poppet Valves with Rotatable Inlet



Input Pressure: 300 psig/21 bar max.

Air Flow: 4.0 scfm @ 50 psig; 6.8 scfm @ 100 psig;
170 l/min @ 6 bar

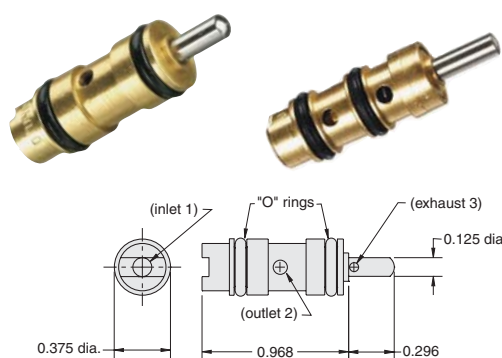
Force For Full Stem Travel: 24 oz. nominal

Mounting: 15/32-32 thread. Nut and lockwasher furnished.



Part No.	Description
MAV-3R	Normally-Closed Valve with Rotatable Inlet, #10-32
MAV-3R-M5	Normally-Closed Valve with Rotatable Inlet, M5

Miniature Cartridge Valves



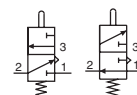
Input Pressure: 300 psig

Air Flow: 3.0 scfm @ 50 psig; 6.0 scfm @ 100 psig

Force For Full Stem Travel: 24 oz. nominal

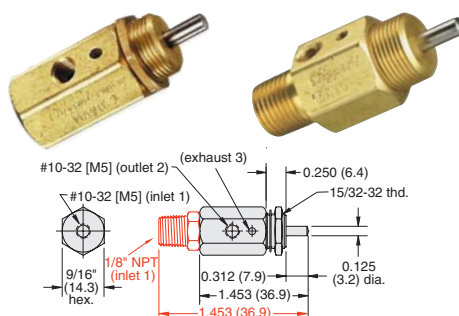
Mounting: Inserts into a 3/8" bore (0.375" 0.001")

Note: See page 118 for mounting details



Part No.	Description
MAV-3C	Normally-Closed Poppet Cartridge Valve
MAVO-3C	Normally-Open Spool Cartridge Valve

Normally-Open Spool Valves



Input Pressure: 150 psig/10 bar max.

Air Flow: 6.0 scfm @ 50 psig; 10 scfm @ 100 psig;
245 l/min @ 6 bar

Force For Full Stem Travel: 32 oz. nominal

Mounting: 15/32-32 thread. Nut and lockwasher furnished.

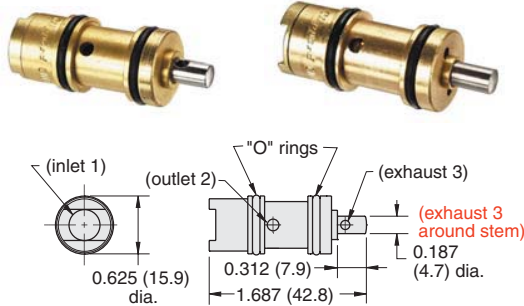


Part No.	Description
MAVO-3	Normally-Open Spool Valve, #10-32
MAVO-3-M5	Normally-Open Spool Valve, M5
MAVO-3P	Normally-Open Spool Valve, 1/8" NPT

3-WAY STEM VALVES



J-Series Poppet Cartridge Valves



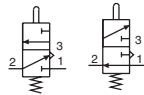
Input Pressure: 300 psig

Air Flow: 11 scfm @ 50 psig; 22 scfm @ 100 psig

Force For Full Stem Travel: 38 oz. nominal

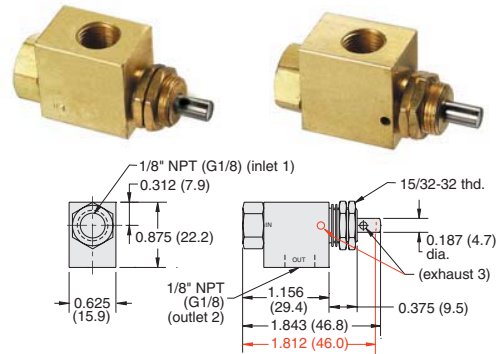
Mounting: Inserts into a 5/8" bore (0.625" ±0.001")

Note: See page 118 for mounting details



Part No.	Description
MJV-3C	3-Way Normally-Closed Poppet Cartridge Valve
MJVO-3C	3-Way Normally-Open Poppet Cartridge Valve

J-Series 3-Way Poppet Valves

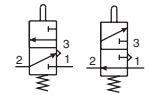


Input Pressure: MJV-3/MJV-3-MG - 300 psig/21 bar max.
MJVO-3/MJVO-3-MG - 150 psig/10 bar max.

Air Flow: 14.0 scfm @ 50 psig; 25 scfm @ 100 psig;
600 l/min @ 6 bar

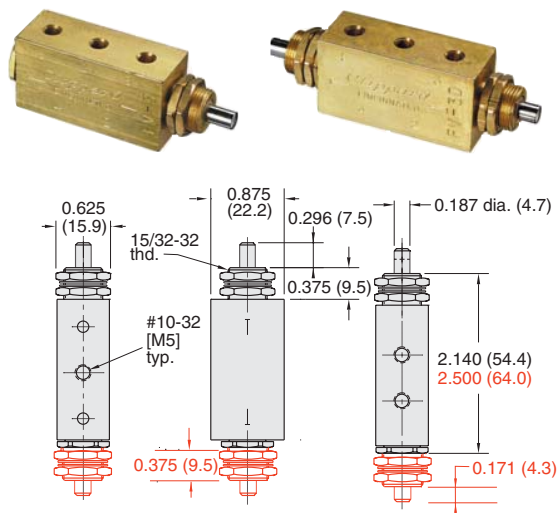
Force For Full Stem Travel: 38 oz. nominal

Mounting: 15/32-32 thread. Nuts and lockwashers furnished.



Part No.	Description
MJV-3	Normally-Closed Valve with Spring Return, 1/8" NPT
MJV-3-MG	Normally-Closed Valve with Spring Return, G1/8
MJVO-3	Normally-Open Spool Valve, 1/8" NPT
MJVO-3-MG	Normally-Open Spool Valve, G1/8

FV-Series 3-Way Spool Valves



Input Pressure: Vacuum to 150 psig/10 bar max.

Air Flow: 6 scfm @ 50 psig; 10 scfm @ 100 psig;
240 l/min @ 6 bar

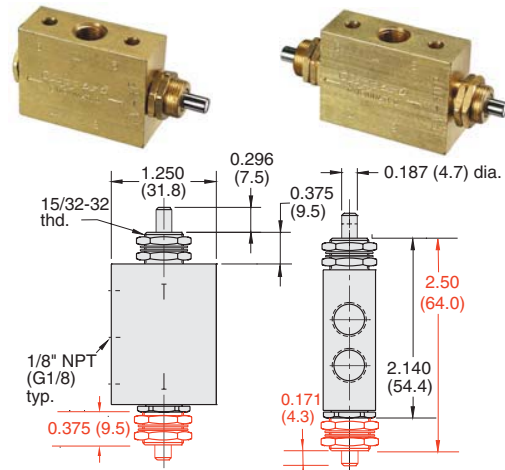
Force For Full Stem Travel: FV-3 & FV-3-M5 - 4 1/2 pounds nominal. FV-3D & FV-3D-M5 - 1 1/2 pounds nominal

Mounting: 5/32-32 thread. Nuts and lockwashers furnished.



Part No.	Description
FV-3	3-Way Spool Valve, #10-32
FV-3-M5	3-Way Spool Valve, M5
FV-3D	3-Way Two Position Spool Valve, #10-32
FV-3D-M5	3-Way Two Position Spool Valve, M5

FV-Series 3-Way Spool Valves



Input Pressure: Vacuum to 150 psig/10 bar max.

Air Flow: 6.5 scfm @ 50 psig; 10.5 scfm @ 100 psig;
240 l/min @ 6 bar

Force For Full Stem Travel: FV-3P & FV-3-MG - 4 1/2 pounds nominal. FV-3DP & FV-3D-MG - 1 1/2 pounds nominal

Mounting: 5/32-32 thread. Nuts and lockwashers furnished.



Part No.	Description
FV-3P	Spool Plunger Actuated Spring Return Valve, 1/8" NPT
FV-3-MG	Spool Plunger Actuated Spring Return Valve, G1/8
FV-3DP	Spool Double Plunger 2 Position Valve, 1/8" NPT
FV-3D-MG	Spool Double Plunger 2 Position Valve, G1/8