



# 2-WAY STEM VALVES



## 2-Way Stem Valves

2-way valves are the simplest pneumatic component – their function is merely to turn an air supply on or off. They may be

compared to a light switch; in the “ON” position elec-

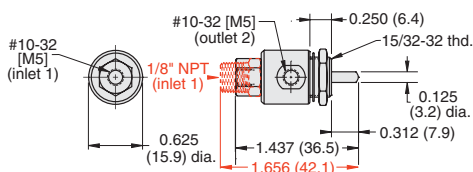
tricity flows from supply to the light, and in the “off” position the electrical current flow is stopped. 2-way stem valves may have a poppet or spool, and, by depressing the stem, a Normally-Closed (NC) valve is opened and a Normally-Open (NO) valve is closed. A variety of actuators may be attached to the valve such as roller cam followers, manual push buttons or pilot actuators; see the Valve Actuators section of this catalog.

**Medium:** Air, Water or Oil

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

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

## Normally-Closed Poppet 2-Way 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

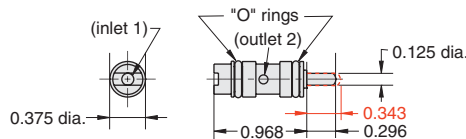
**Force For Full Stem Travel:** 24 oz. nominal

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



Part No.	Description
<u>MAV-2</u>	2-Way Normally-Closed Valve, #10-32
<u>MAV-2-M5</u>	2-Way Normally-Closed Valve, M5
<u>MAV-2P</u>	2-Way Normally-Closed Valve, 1/8" NPT

## Miniature Cartridge Valves



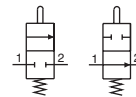
**Input Pressure:** 300 psig

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

**Force For Full Stem Travel:** 24 oz. nominal

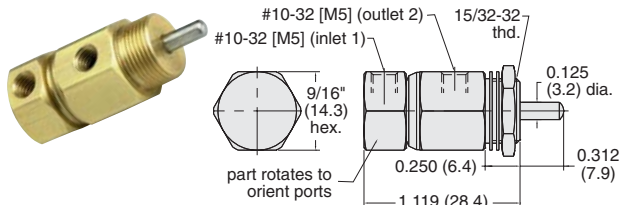
**Mounting:** Inserts into a 3/8" bore (0.375" ±0.001")

**Note:** See page 113 for retaining details



Part No.	Description
<u>MAV-2C</u>	2-Way Normally-Closed Cartridge Valve
<u>MAVO-2C</u>	2-Way Normally-Open Cartridge Valve

## 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

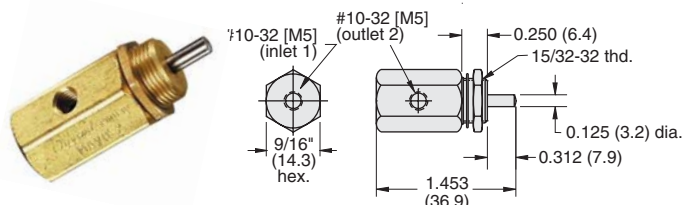
**Force For Full Stem Travel:** 24 oz. nominal

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



Part No.	Description
<u>MAV-2R</u>	2-Way Poppet Valve with Rotatable Inlet, #10-32
<u>MAV-2R-M5</u>	2-Way Poppet Valve with Rotatable Inlet, M5

## 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
<u>MAVO-2</u>	2-Way Normally-Open Spool Valve, #10-32
<u>MAVO-2-M5</u>	2-Way Normally-Open Spool Valve, M5