

MAV/MAVO STEM & CARTRIDGE VALVES



MAV/MAVO Stem Valves

2-Way, 3-Way & 4-Way Styles

The MAV series are #10-32 ported 2-way, 3-way and 4-way valves that change their flow path when the stem is either depressed or released. The 2-way and 3-way valves are offered in both Normally-Closed (not passing) or Normally-Open (passing) versions. The 4-way valves are typically used to control a double acting air cylinder. On pages 135 through 145 we offer a wide range of pneumatic and mechanical valve actuators that work with all Clippard stem valves.

Medium: Air, Water or Oil

Input Pressure: MAV-2, MAV-3: 300 psig max.;
MAVO-2, MAVO-3, MAV-4: 150 psig max

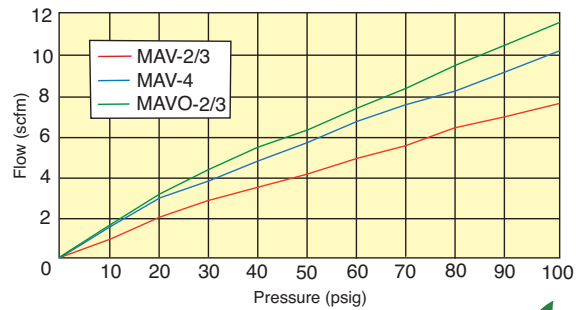
Stem Travel: MAV-2, MAV-3: 1/8"; MAV-4: 3/16"

Force For Full Stem Travel: MAV-2, MAV-3: 24 oz.; MAVO-2,
MAVO-3: 32 oz.; MAV-4: 38 oz.; MAV-4D: 12 oz. nominal

Mounting: 15/32-32 thread. Nut and lockwashers furnished. Cartridge inserts into a 3/8" bore (0.375" ±0.001")

Materials: Brass body, Nitrile seals, stainless steel stem and spring

Pressure vs. Flow



- Miniature size with high flow poppet or spool design
- Poppet valves have superior life and spool valves are more versatile.



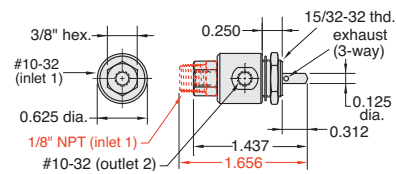
Normally-Closed Poppet Valves



(MAV-3P shown)

Port(s)	Outlet	2-Way	3-Way
#10-32	#10-32	<u>MAV-2</u>	<u>MAV-3</u>
1/8" NPT	#10-32	<u>MAV-2P</u>	<u>MAV-3P</u>

Air Flow: 4 scfm @ 50 psig; 6.8 scfm @ 100 psig



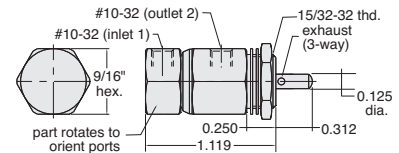
Normally-Closed Poppet Valve with Rotatable Inlet



(MAV-2R shown)

Port(s)	Outlet	2-Way	3-Way
#10-32	#10-32	<u>MAV-2R</u>	<u>MAV-3R</u>

Air Flow: 4 scfm @ 50 psig; 6.8 scfm @ 100 psig



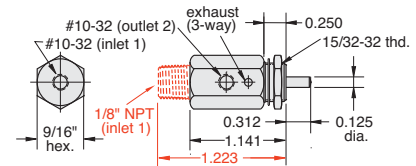
Normally-Open Spool Valves



(MAVO-2P shown)

Port(s)	Outlet	2-Way	3-Way
#10-32	#10-32	<u>MAVO-2</u>	<u>MAVO-3</u>
1/8" NPT	#10-32	<u>MAVO-2P</u>	<u>MAVO-3P</u>

Air Flow: 6 scfm @ 50 psig; 10 scfm @ 100 psig



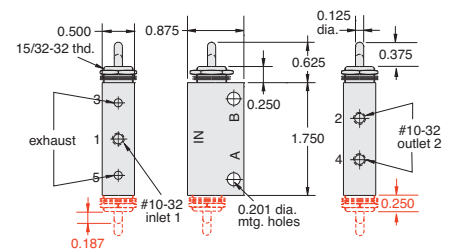
Normally-Closed Spool Valves



(MAV-4 shown)

Port(s)	Outlet	Actuation	4-Way
#10-32	#10-32	Spring Return	<u>MAV-4</u>
#10-32	#10-32	2-Position	<u>MAV-4D</u>

Air Flow: 5 scfm @ 50 psig; 8.5 scfm @ 100 psig



For high temperature applications (up to +400°F), or those that require special seals for chemical compatibility, Clippard offers optional FKM seals.

options (suffix)
ENP Plating *-ENP* • FKM Seals *-V*

Metric line available. Visit www.clippard.com