

MTV 2-Position Toggle Valves

These #10-32 ported 2-way, 3-way, 4-way and 5 ported 4-way valves are manually actuated with a toggle. The toggles are electroless nickel plated steel and have a detent action. The MTV-5 has threaded exhaust and can be connected in a dual inlet pressure configuration.

Medium: Air, Water or Oil

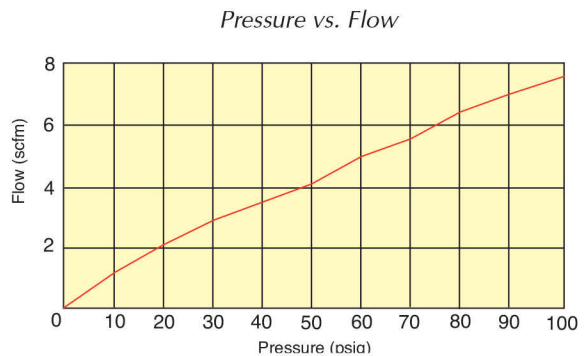
Input Pressure: 150 psig max.

Air Flow: MTV-2: 4.0 scfm @ 50 psig; 7.3 scfm @ 100 psig; MTV-3: 4.0 scfm @ 50 psig; 6.8 scfm @ 100 psig; MTV-4, MTV-5: 6 scfm @ 50 psig, 10 scfm @ 100 psig

Force to Rotate Toggle: MTV-2, MTV-4: 12 oz.; MTV-3, MTV-5: 16 oz. nominal.

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

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



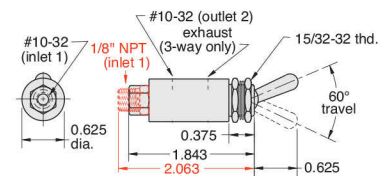
- MTV-2 and MTV-3 are poppet valves
- MTV-4 and MTV-5 are spool valves
- MTV-5 valves are fully-ported

Normally-Closed Poppet Valves



(MTV-3 shown)

Port(s)	Toggle	2-Way	3-Way
#10-32	ENP Steel	<u>MTV-2</u>	<u>MTV-3</u>
1/8" NPT	ENP Steel	<u>MTV-2P</u>	<u>MTV-3P</u>

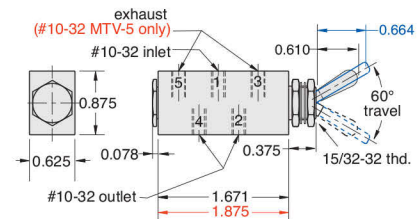


Normally-Open Spool Valves

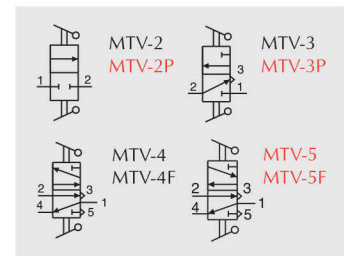


(MTV-4F shown)

Port(s)	Toggle	Exhaust	4-Way
#10-32	ENP Steel	To Atmosphere	<u>MTV-4</u>
#10-32	Plastic	To Atmosphere	<u>MTV-4F</u>
#10-32	ENP Steel	#10-32	<u>MTV-5</u>
#10-32	Plastic	#10-32	<u>MTV-5F</u>



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



Metric line available. Visit www.clippard.com

MJTV 1/8" NPT 3-WAY & 4-WAY TOGGLE VALVES



MJTV 1/8" NPT Toggle Valves

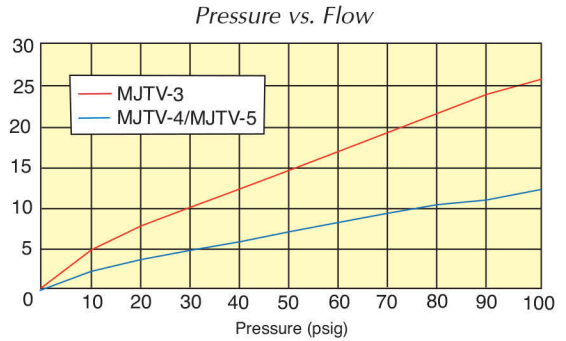
3-way valves have a supply, outlet and exhaust port. When the toggle is in the "on" position, air flows from the inlet to the outlet and the exhaust port is blocked. Moving the toggle to the "off" position closes the inlet and opens the outlet to an exhaust port which vents the outlet to atmosphere. 4-way valves can supply and exhaust two different outlets, and are commonly used with double-acting cylinders. When the toggle is in one position, air flows from the inlet to one of the outlets. The second outlet is open to the exhaust port which is vented to atmosphere. Moving the toggle to the opposite position opens the inlet to the second outlet while exhausting the first outlet. 4-way fully-ported valves can be plumbed in a dual pressure inlet configuration to save air consumption.

Medium: Air

Input Pressure: MJTV-3: 300 psig; MJTV-4/5: 150 psig max.

Force to Rotate Toggle: MJTV-4: 12 oz.; MJTV-3, MJTV-5: 16 oz. nominal

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



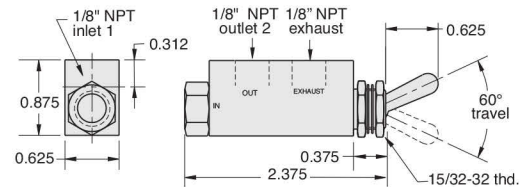
- Compact, rugged construction
- Proven reliability
- Brass body, Nitrile seals, stainless steel stem and spring

Normally-Closed 3-Way 2-Position Poppet Valve



Port(s)	Toggle	3-Way
1/8" NPT	ENP Steel	<u>MJTV-3</u>

Air Flow: 14 scfm @ 50 psig, 25 scfm @ 100 psig;



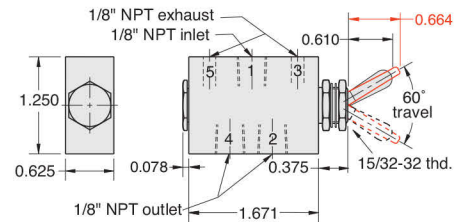
Normally-Open/Normally-Closed 4-Way 2-Position Valves



(MJTV-4 shown)

Port(s)	Toggle	4-Way
1/8" NPT	ENP Steel	<u>MJTV-4</u>
1/8" NPT	Plastic	<u>MJTV-4E</u>

Air Flow: 6.5 scfm @ 50 psig, 10.5 scfm @ 100 psig



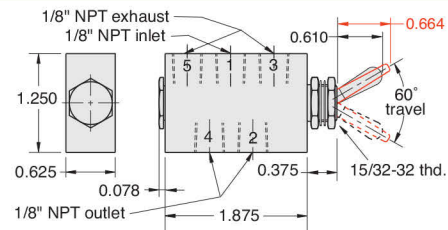
Normally-Open/Normally-Closed 4-Way Fully-Ported Spool Valves



(MJTV-5F shown)

Port(s)	Toggle	4-Way
1/8" NPT	ENP Steel	<u>MJTV-5</u>
1/8" NPT	Plastic	<u>MJTV-5E</u>

Air Flow: 6.5 scfm @ 50 psig, 10.5 scfm @ 100 psig

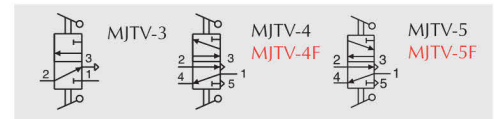


options (suffix)

ENP Plating "-ENP" • FKM Seals "-V"



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



Metric line available. Visit www.clippard.com