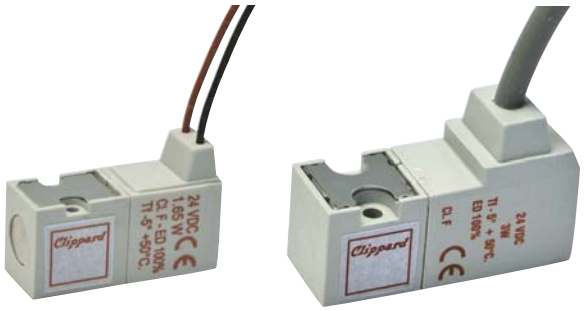
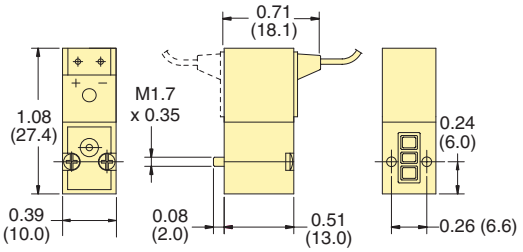
NEW! Latching 10 mm & 15 mm Miniature Valves



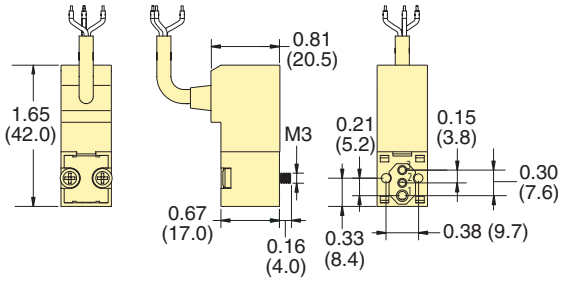
10 mm *15 mm*

- 2-Way & 3-Way Normally-Closed configurations
- Pulse-actuated (on or off)
- 3-wire coil (15 mm). No polarity reverse required
- Stable latch

10 mm Valves



15 mm Valves



Clippard's Latching Valves have many of the same features as the popular 10 mm and 15 mm valve line including small, compact design, exceptional life and reliability, lightweight design and more. A careful balance of forces—through the precise placement of a permanent magnet in the valve core—produces a bi-stable valve. A short pulse of current opens the valve, which "latches" open indefinitely after the current stops. A subsequent pulse of current in the opposite direction closes the valve. The valve consumes less energy and produces less heat than a standard solenoid valve when used in extended duty cycle applications, since the coil is energized for only a small fraction of the total duty cycle.

Medium: Air, Gas or other Compatible Fluids

Max. Flow Rate:
0.020" Orifice: 0.8 scfm (23 lpm)
0.043" Orifice: 2.1 scfm (59 l//min)
0.060" Orifice: 3.0 scfm (84 l/min)

Exhaust Flow:
0.020" Orifice: 0.8 scfm (22.7 l/min)
0.030" Orifice: 1.2 scfm (34 l/min)

Electrical Connection: 10 mm: 2-Wire Reverse Polarity, 300 mm, 24 AWG
15 mm: 3-Wire Molded Cord, 300 mm, 24 AWG (4.5 mm external jacket; tinned copper wires; silicone jacket and conductor insulation)

Electrical: 12 VDC ("-012") or 24 VDC ("-024"). 6 VDC also available. Call for further information.

Electrical Tolerance: -10 to 10%

Response Time: 8 ms when energized; 10 ms when de-energized

Copper Wire Isolation Class: F 311°F (115°C)

Material: Stainless steel core and springs, nylon body, FKM dynamic seals, and Buna-N gasket and static seals. FKM gasket available, consult factory.

Temperature Range: 23 to 122°F (-5 to 50°C). When below 32°F (0°C), must use clean, dry air

Type	Part No.	Connector	Orifice	Voltage	Wattage	Pressure Range
10 mm 2-Way	E2L10C-7W012	Wire Leads	0.020" (0.75 mm)	12 VDC	2.0	0 to 110 psig/7.6 bar
	E2L10C-6W024			24 VDC	1.7	
10 mm 3-Way	E3L10C-7W012	Wire Leads	0.020" (0.75 mm)	12 VDC	2.0	0 to 110 psig/7.6 bar
	E3L10C-6W024			24 VDC	1.7	
15 mm 2-Way	E2L15E-4W012	3-Wire Molded Cord, 300 mm	0.043" (1.1 mm)	12 VDC	4.0	0 to 150 psig/10.3 bar
	E2L15E-4W024		0.043" (1.1 mm)	24 VDC		0 to 150 psig/10.3 bar
	E2L15F-4W012		0.063" (1.6 mm)	12 VDC		0 to 110 psig/7.6 bar
	E2L15F-4W024		0.063" (1.6 mm)	24 VDC		0 to 110 psig/7.6 bar
15 mm 3-Way	E3L15E-4W012	3-Wire Molded Cord, 300 mm	0.043" (1.1 mm)	12 VDC	4.0	0 to 150 psig/10.3 bar
	E3L15E-4W024		0.043" (1.1 mm)	24 VDC		0 to 150 psig/10.3 bar
	E3L15F-4W012		0.063" (1.6 mm)	12 VDC		0 to 110 psig/7.6 bar
	E3L15F-4W024		0.063" (1.6 mm)	24 VDC		0 to 110 psig/7.6 bar

See pages 209 & 210, and 214 & 215 for connectors and manifolds