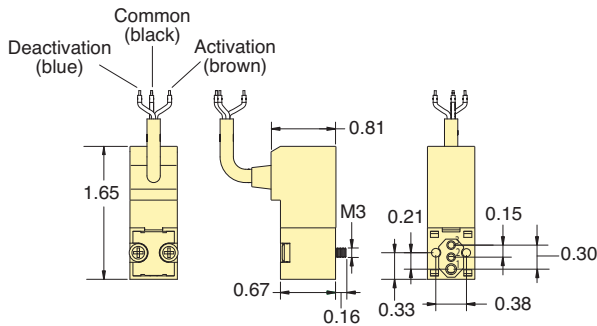




LATCHING 15 MM MINIATURE VALVES



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



Clippard's 15 mm Latching Valves have many of the same features as the popular 15 mm standard valve line including small, compact design, exceptional life and reliability, light-weight 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: 0.043" Orifice: 59 l/min
0.063" Orifice: 84 l/min

Electrical Connection: 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: -5 to +10%



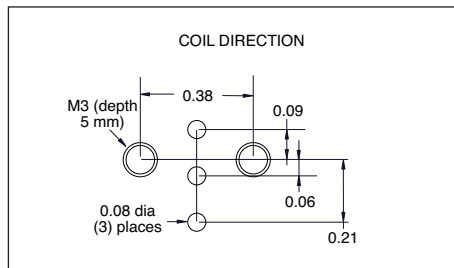
Response Time: 10 ms when energized; 12 ms when de-energized

Copper Wire Isolation Class: F 311°F

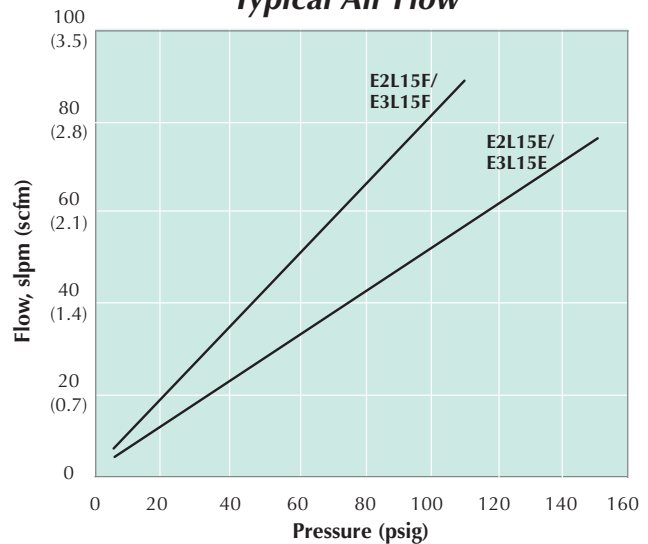
Material: Stainless steel core and springs, nylon body, FKM dynamic seals, and Nitrile gasket and static seals.

Temperature Range: 23 to 122°F. When below 32°F, must use clean, dry air

Mounting Interface



Typical Air Flow



Type	Part No.	Connector	Orifice	Voltage	Wattage	Pressure Range
2-Way	E2L15E-4W012	3-Wire Molded Cord, 300 mm	0.043"	12 VDC	4.0	0 to 150 psig
	E2L15E-4W024		0.043"	24 VDC		0 to 150 psig
	E2L15F-4W012		0.063"	12 VDC		0 to 110 psig
	E2L15F-4W024		0.063"	24 VDC		0 to 110 psig
3-Way	E3L15E-4W012	3-Wire Molded Cord, 300 mm	0.043"	12 VDC	4.0	0 to 150 psig
	E3L15E-4W024		0.043"	24 VDC		0 to 150 psig
	E3L15F-4W012		0.063"	12 VDC		0 to 110 psig
	E3L15F-4W024		0.063"	24 VDC		0 to 110 psig

See [page 214](#) for connectors and manifolds