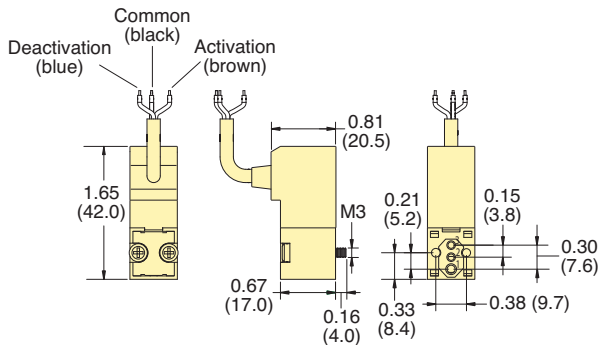




# LATCHING 15 MM MINIATURE VALVES



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



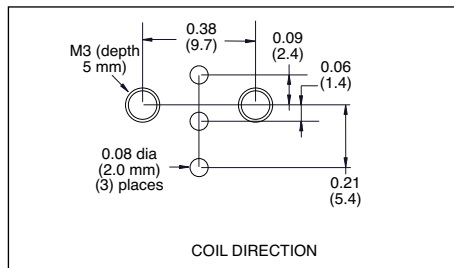
**Response Time:** 10 ms when energized; 12 ms when de-energized

**Copper Wire Isolation Class:** F 311°F (155°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

### Mounting Interface



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

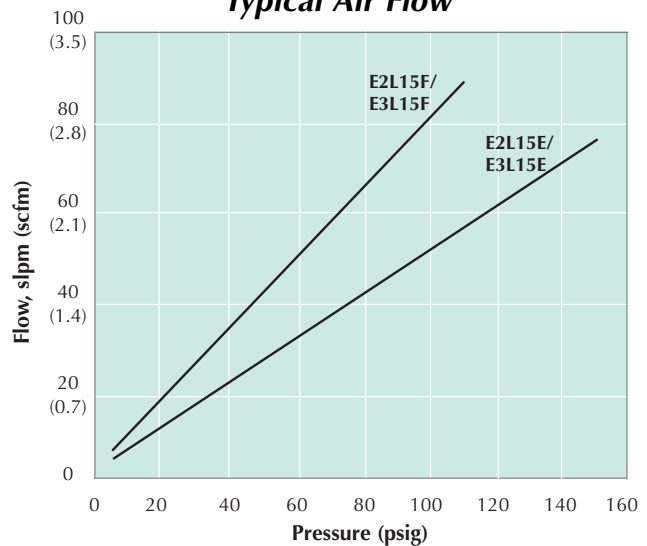
**Max. Flow Rate:** 0.043" (1.1 mm) Orifice: 59 l/min (2.1 scfm)  
0.063" (1.6 mm) Orifice: 84 l/min (3.0 scfm)

**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%

### Typical Air Flow



Type	Part No.	Connector	Orifice	Voltage	Wattage	Pressure Range
2-Way	<a href="#">E2L15E-4W012</a>	3-Wire Molded Cord, 300 mm	0.043" (1.1 mm)	12 VDC	4.0	0 to 150 psig/10.3 bar
	<a href="#">E2L15E-4W024</a>		0.043" (1.1 mm)	24 VDC		0 to 150 psig/10.3 bar
	<a href="#">E2L15F-4W012</a>		0.063" (1.6 mm)	12 VDC		0 to 110 psig/7.6 bar
	<a href="#">E2L15F-4W024</a>		0.063" (1.6 mm)	24 VDC		0 to 110 psig/7.6 bar
3-Way	<a href="#">E3L15E-4W012</a>	3-Wire Molded Cord, 300 mm	0.043" (1.1 mm)	12 VDC	4.0	0 to 150 psig/10.3 bar
	<a href="#">E3L15E-4W024</a>		0.043" (1.1 mm)	24 VDC		0 to 150 psig/10.3 bar
	<a href="#">E3L15F-4W012</a>		0.063" (1.6 mm)	12 VDC		0 to 110 psig/7.6 bar
	<a href="#">E3L15F-4W024</a>		0.063" (1.6 mm)	24 VDC		0 to 110 psig/7.6 bar

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