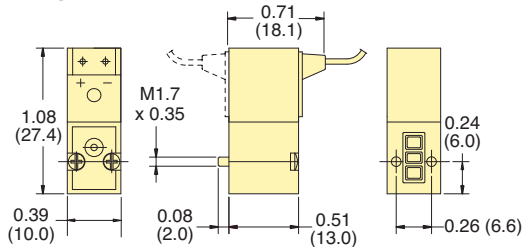


LATCHING 10 MM MINIATURE VALVES



- 2-Way & 3-Way Normally-Closed configurations
- Pulse-actuated (on or off)
- Polarity reverse required
- Stable latch

Clippard's 10 mm Latching Valves have many of the same features as the popular 10 mm 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.



Max. Flow Rate: 31.2 l/min (1.1 scfm)

Working Pressure: 0 to 110 psig/7.6 bar

Orifice: 0.030" (0.75 mm)

Electrical Connection: 2-Wire Reverse Polarity, 300 mm, 24 AWG

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

Electrical Tolerance: -5 to 10%

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

Connector: Wire Leads

Copper Wire Isolation Class: F 311°F (155°C)

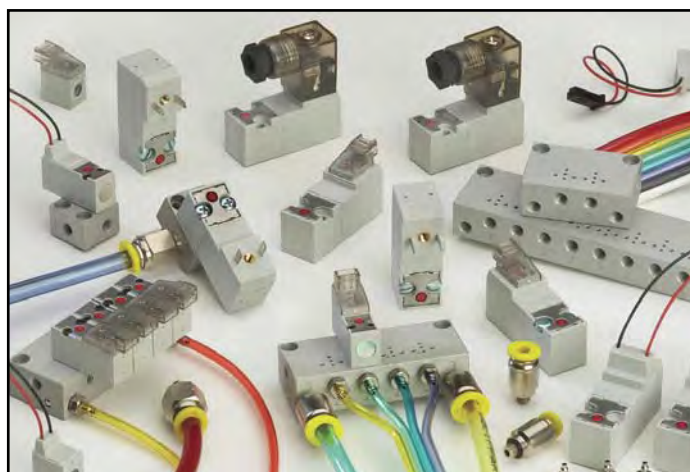
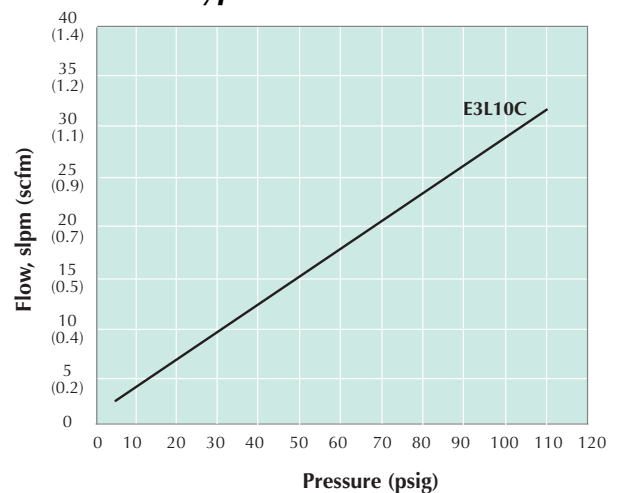
Material: Stainless steel core and springs, nylon body, FKM dynamic seals, and Buna-N gasket and static seals. FKM gasket available, consult factory.

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

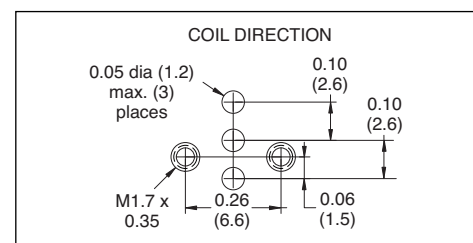
Medium: Air, Gas or other Compatible Fluids

| Type | Part No. | Voltage | Wattage |
|-------|------------------------------|---------|---------|
| 2-Way | E2L10C-7W012 | 12 VDC | 2.0 |
| | E2L10C-6W024 | 24 VDC | 1.7 |
| 3-Way | E3L10C-7W012 | 12 VDC | 2.0 |
| | E3L10C-6W024 | 24 VDC | 1.7 |

Typical Air Flow



Mounting Interface



See [pages 204 & 208](#) for connectors and manifolds