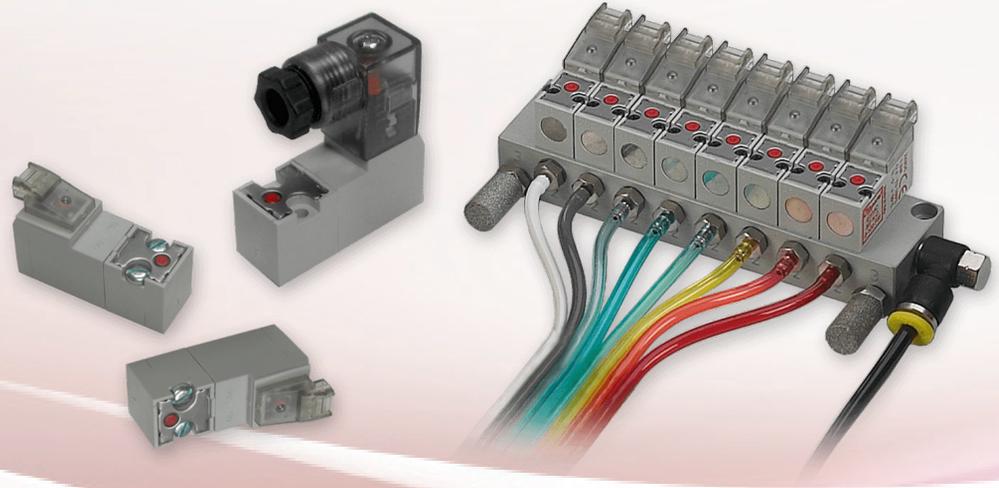


# Clippard



## CLIPPARDS 10 & 15MM ELECTRONIC VALVES

Clippard's Latching series features a careful balance of forces—through the precise placement of a permanent magnet in the valve core—produces a bi-stable valve

### 10 MM VALVES

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.

### SPECIFICATIONS

- **Medium:**  
Air, gas, or other compatible fluids
- **Max. Flow Rate:**  
0.020" Orifice: 14 l/min @ 110 psig  
0.030" Orifice: 31.2 l/min @ 110 psig
- **Exhaust Flow:**  
0.020" Orifice: 22.7 l/min @ 110 psig  
0.030" Orifice: 34 l/min @ 110 psig
- **Response Time:**  
8 ms when energized, 10 ms when de-energized
- **Voltage:**  
±10%
- **Power Consumption:**  
0.6 or 1.3 watts - Dependent on orifice size and pressure
- **Materials:**  
Stainless steel core and springs, nylon body, FKM dynamic seals, nitrile gasket and static seals
- **Temperature Range:**  
23 to 122° F (If below 32° F, must use clean, dry air)

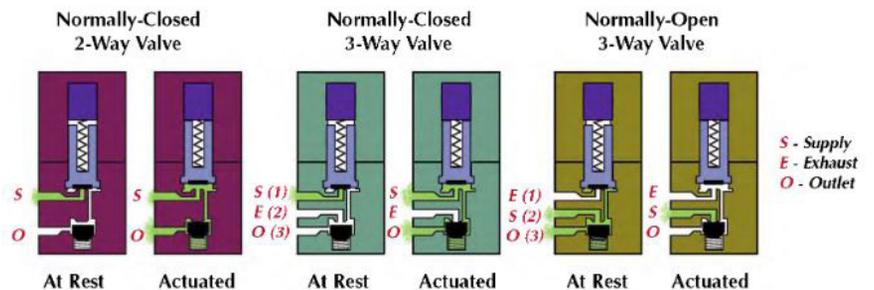
**Standard Series** - Direct-operating valves well-suited for single- or multiple-valve mounting in small spaces

**10mm Latching Series** - A short pulse of current shifts this valve which “latches” indefinitely; another pulse returns the valve.

**10mm High Flow 2-Way Series** - Specialty series for high flow applications

**10mm ISO 15218 Series** - Conforms to ISO standard for mounting and port locations.

### Functional Schematics



Clippard

## 15 MM VALVES

Through the precise placement of a permanent magnet in the valve core, a careful balance of forces produces a bi-stable valve. A short pulse of current to the brown lead opens the valve, which “latches” open indefinitely after the current stops. A subsequent pulse of current to the blue lead closes the valve. The valve consumes less energy and produces less heat than a standard solenoid valve.

### SPECIFICATIONS

- **Medium:**  
Air, gas, or other compatible fluids
- **Max. Flow Rate:**  
0.032” Orifice: 45 l/min @ 150 psig  
0.043” Orifice: 70 l/min @ 150 psig  
0.063” Orifice: 91 l/min @ 110 psig
- **Response Time:**  
10 ms when energized; 12 ms when de-energized
- **Voltage Tolerance:**  
±10%
- **Power Consumption:**  
1.0 or 2.5 watts - Dependent on orifice size and pressure
- **Materials:**  
Stainless steel core and springs, nylon body, FKM seals, nitrile gasket
- **Temperature Range:**  
23 to 122° F (If below 32° F, must use clean, dry air)
- **Coil Insulation Class:**  
F 311° F

### 15 mm Standard Series

Direct operating valves well-suited for single- or multiple-valve mounting in small spaces

### 15 mm Latching Series

A short pulse of current shifts this valve which “latches” indefinitely; another pulse returns the valve.

### 15 mm High Flow 2-Way Series

Specialty series for high flow applications.

### Functional Schematics

