

# HIGH FLOW 2-WAY N.C. 15 MM VALVES



## Specifications

**Medium:** Air, Gas, or other Compatible Fluids

**Working Pressure:** 0 to 43 psig

**Maximum Flow Rate:** 120 l/min

**Orifice:** 0.118"

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

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

**Voltage:** 12-volt DC or 24-volt DC

**Voltage Tolerance:** -5% to +10%

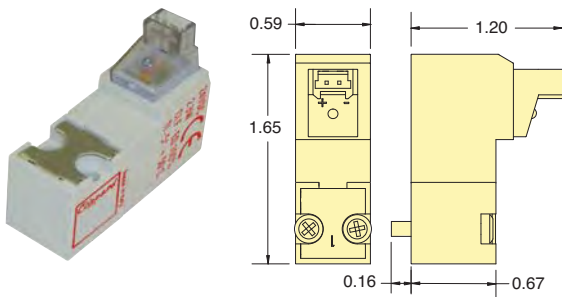
**Power Consumption:** 4.0 watts

**Coil Insulation Class:** F 311°F

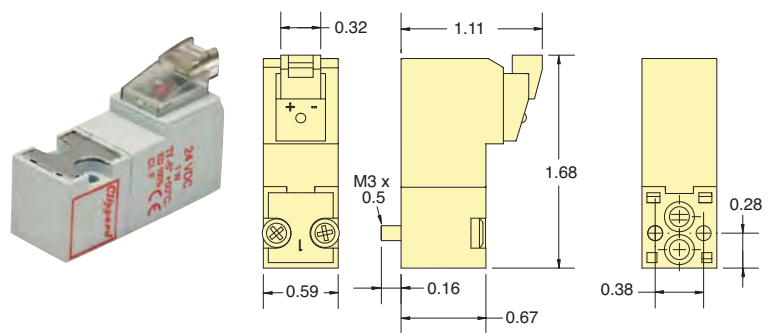
**Temperature Range:** 23 to 122°F



### 90° Connector with LED

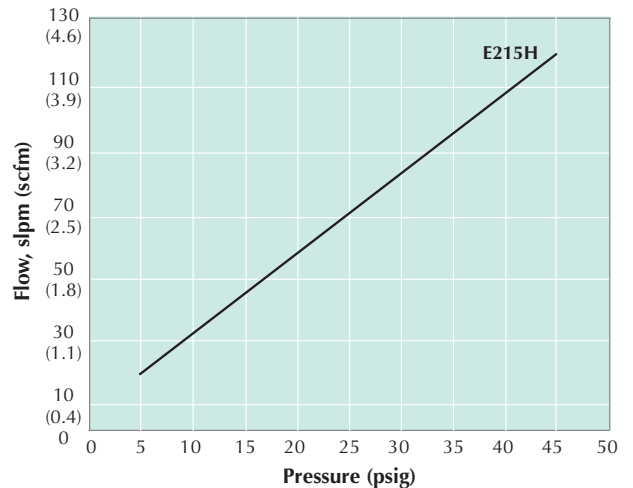


### In-Line Connector with LED

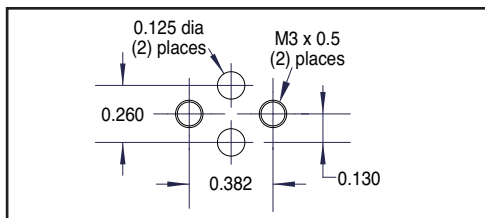


Part No.	Connector	Voltage
<a href="#">E215H-3L012</a>	90° Connector	12 VDC
<a href="#">E215H-3L024</a>	90° Connector with LED	24 VDC
<a href="#">E215H-3C012</a>	In-Line Connector	12 VDC
<a href="#">E215H-3C024</a>	In-Line Connector with LED	24 VDC

### Typical Air Flow

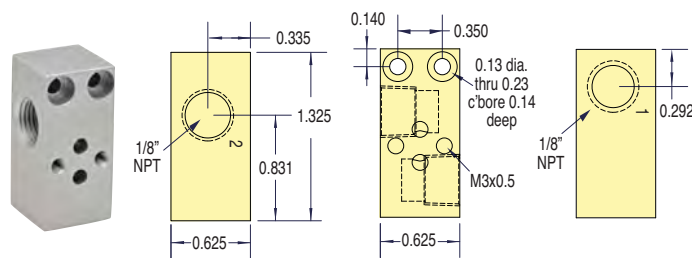


### Mounting Interface



### 15 mm High Flow Single-Station Manifold

Spare hardware and closing plates available.

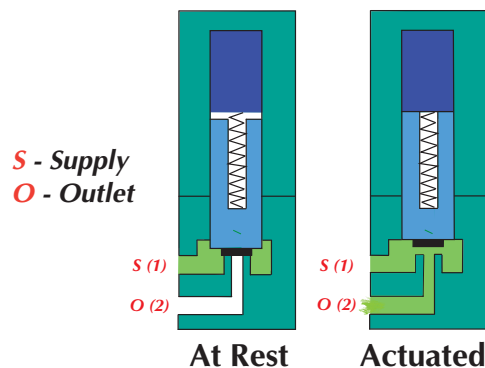


**Part No.**

[E15HM-01](#) 15 mm Single-Station Manifold

Metric line available. Visit [www.clippard.com](http://www.clippard.com)

### Functional Schematics

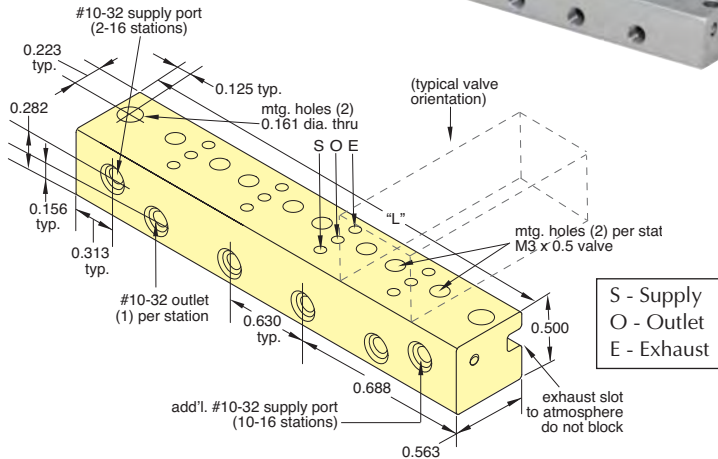
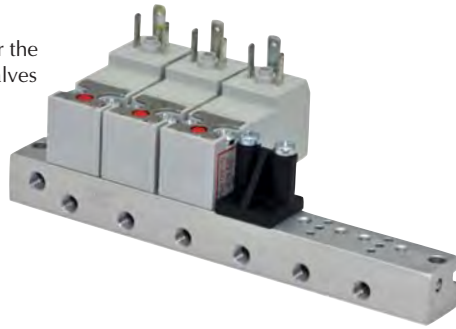




# 15 MM VALVE ACCESSORIES

## Sub-Miniature Manifolds

Small, compact manifolds offer the efficient grouping of 15 mm valves along with fast installation. Each manifold features a common inlet, individually-ported outlets, and exhaust to atmosphere.



Stations	Supply Ports	Part No.	Length "L"
2	1	<a href="#">E15SM-2</a>	2.01
4	1	<a href="#">E15SM-4</a>	3.27
6	1	<a href="#">E15SM-6</a>	4.53
8	1	<a href="#">E15SM-8</a>	5.79
10	2	<a href="#">E15SM-10</a>	7.05
12	2	<a href="#">E15SM-12</a>	8.31
14	2	<a href="#">E15SM-14</a>	9.57
16	2	<a href="#">E15SM-16</a>	10.82



## Connectors

Wire Connector must be ordered separately. 24 AWG. Stranding 7/32.

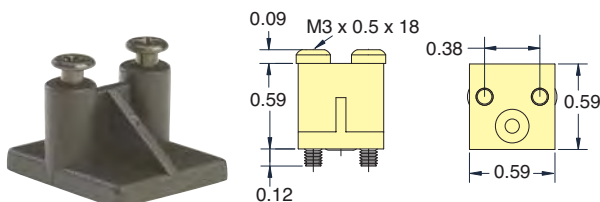
### Part No.

- [C2A-RB300](#) Connector with Cable, 11.8"
- [C2A-RB500](#) Connector with Cable, 19.69"
- [C2A-RB1000](#) Connector with Cable, 39.37"

Molex terminal insert #050013-8000, #28139 plug and 24 AWG wire.

## Cover Plate

Manifold Cover Plate includes plate, gasket and two screws.

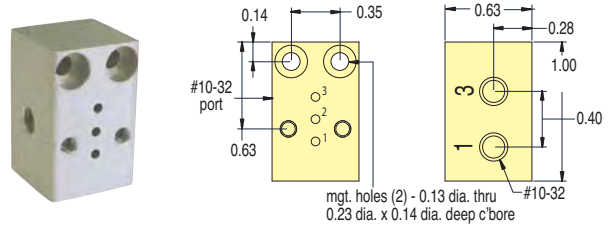


### Part No.

[E15M-CP](#) 15 mm Cover Plate

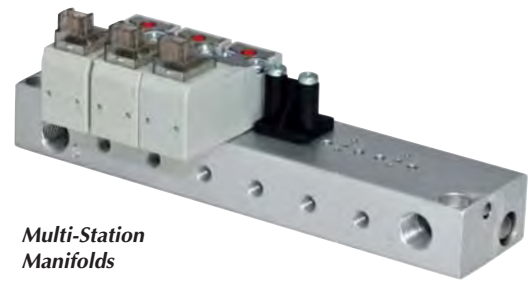
## Standard Manifolds

Standard manifolds are available for one to 16 valves with ported exhaust. Spare hardware and closing plates also available.



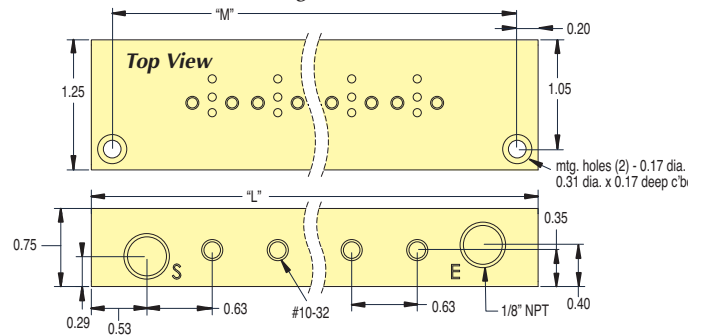
### Part No.

[E15M-01](#) Single-Station Manifold

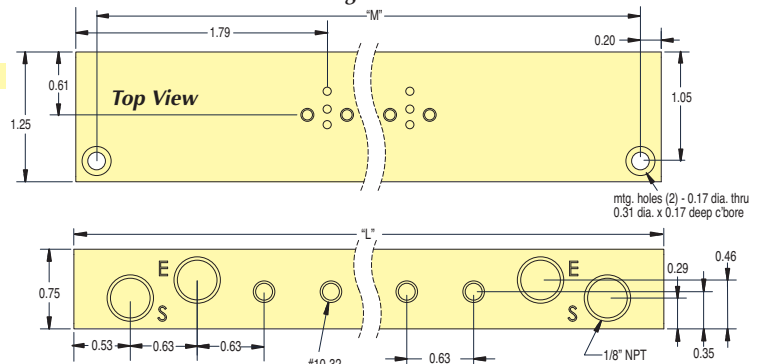


## Multi-Station Manifolds

### 2- through 8-Station



### 10- through 16-Station



Stations	Part No.	Length "L"	Length "M"
2	<a href="#">E15M-02</a>	2.95	2.55
4	<a href="#">E15M-04</a>	4.21	3.81
6	<a href="#">E15M-06</a>	5.47	5.07
8	<a href="#">E15M-08</a>	6.73	6.33
10	<a href="#">E15M-10</a>	9.25	8.85
12	<a href="#">E15M-12</a>	10.51	10.1
14	<a href="#">E15M-14</a>	11.77	11.4
16	<a href="#">E15M-16</a>	13.03	12.6



# Maximatic®



## Maximatic Solenoid Valves

Clippard's Maximatic Solenoid valves are available in 2-way, 3-way and 4-way configurations in port sizes from #10-32 to 1/2" NPT. Select either a direct-acting poppet or solenoid-controlled pilot operated balanced spool design. Spool valves are body ported but can be bolted to a parallel circuit manifold.

These electronic valves offer high flow in a small package, and are constructed of aluminum, stainless steel and thermoplastic materials. The 4-way valves are also available in 3 position versions with either pressure center, closed center or exhaust center spool options.

**Materials:** Aluminum, Stainless Steel, Thermoplastic

**Maximum Pressure:** 0 to 115 psig (direct-acting only); 30 to 125 on MME-41 Series, 20 to 125 psig on all others (spool valves)

**Response Time:** Less than 20 milliseconds

**Mounting:** Manifold standard. Actuator (1/4" only) or NAMUR (3/8" NPT only) available.

**Manual Override:** Locking or non-locking

**Electrical Connection:** DIN terminal with LED indicator, or 18" Wire Leads

**DIN Connector:** Plug-in electrical connector with LED. MME-31/41 models are DIN Industrial Form "C" (9.4 mm centers) 3 mm screw. All others are DIN 43650 Form "B" 3 mm screw. LED will not "light" if polarity is reversed.

**Wire Leads:** Not polarity sensitive

**Temperature Range:** 32 to 150°F

**Seals:** Nitrile

Conforms to ISO 19973-2 test standards.

3- & 4-Way Valves

Port	Cv	Flow Rate	
		@ 50 psig	@ 100 psig
#10-32	0.58	16 scfm	27 scfm
1/8" NPT	0.67	18 scfm	31 scfm
1/4" NPT	0.89	26 scfm	49 scfm
3/8" NPT	1.68	51 scfm	93 scfm
1/2" NPT	2.79	91 scfm	171 scfm

Metric line available. Visit [www.clippard.com](http://www.clippard.com)



## Maximum Value. Maximum Performance.

Choose either DIN connector with LED indicator or 18" Wire Lead connection. Both are rotatable and interchangeable.

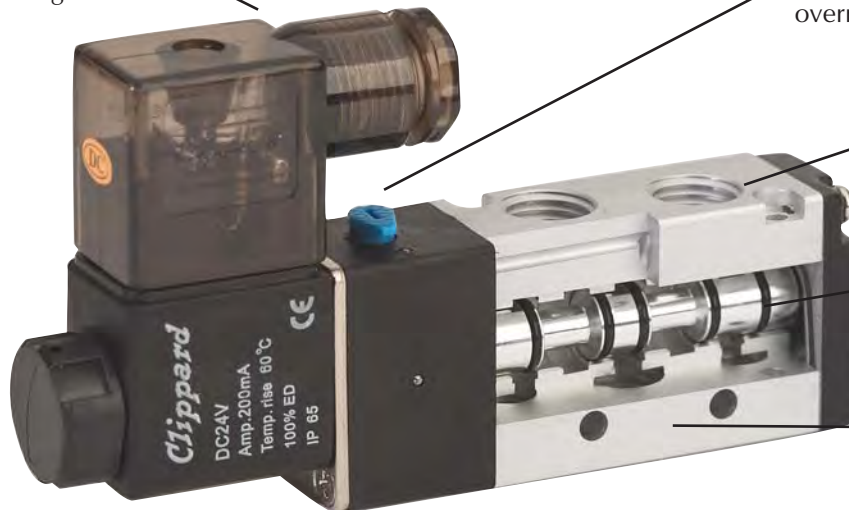
2-Way, 3-Way & 4-Way Designs

For side ported manifold mount, the Maximatic line of valves offers both 1/4" actuator mount and 3/8" NAMUR mount

Easily accessible locking or non-locking manual override switch

Port sizes from #10-32 to 1/2" NPT

Small size makes valves ideal for use in compact applications



Nitrile Seals

Sturdy aluminum body withstands rough environments

Operating ranges to 125 psig

Closed Center, Pressure Center and Exhaust Center Models Available

Maximatic® Valves are available as body ported, manifold mount, NAMUR (3/8" NPT only), and Actuator (1/4" NPT only) mounting. Standard models include a base that permits fast, secure mounting of electronic valves to a manifold for grouping in compact assemblies.

A wide variety of voltage options are available including 12 VDC, 24 VDC, 24 VAC, 110 VAC and 220 VAC. Consult factory for other voltages.

All Maximatic® Solenoid Valves are IP 65 CE Rating