

All of the benefits of Clippard quality and reliability are now available in these 10 mm and 15 mm valves. Offered in both Normally-Open or Normally-Closed models, these 2-way and 3-way valves are perfect for small areas where compact electronically-controlled pneumatics are needed.

This series has a high strength, engineered light-weight glass filled nylon body, along with stainless steel, copper and Nitrile, making it suitable for a broad range of applications. With exceptional life and reliability this is the perfect sub-miniature valve for tomorrow's needs in a wide variety of industries.

10 mm Standard Series

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

See pages 215 - 217



15 mm Standard Series

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

See pages 222 - 224



10 mm Latching Series

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

See page 218



15 mm Latching Series

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

See page 225



10 mm High Flow 2-Way Series

Specialty series for high flow applications.

See page 219



15 mm High Flow 2-Way Series

Specialty series for high flow applications.

See page 226



10 mm ISO 15218 Series

Conforms to ISO standard for mounting and port locations.

See page 220

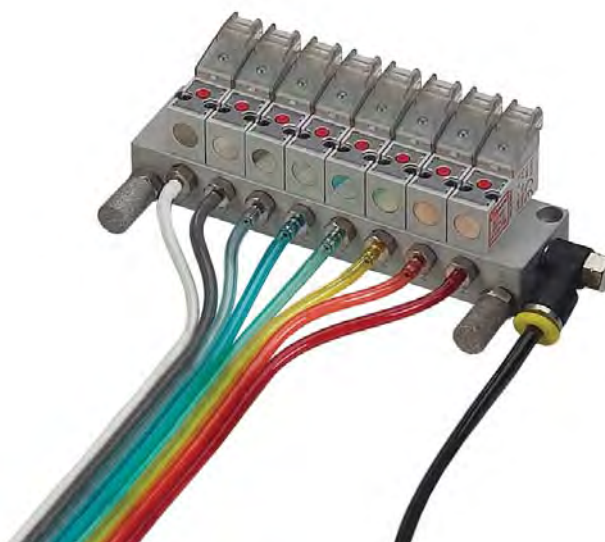


All 10 mm and 15 mm valves are RoHS compliant.

Valve Material: Glass filled Nylon, Stainless Steel, Nitrile or FKM Elastomer

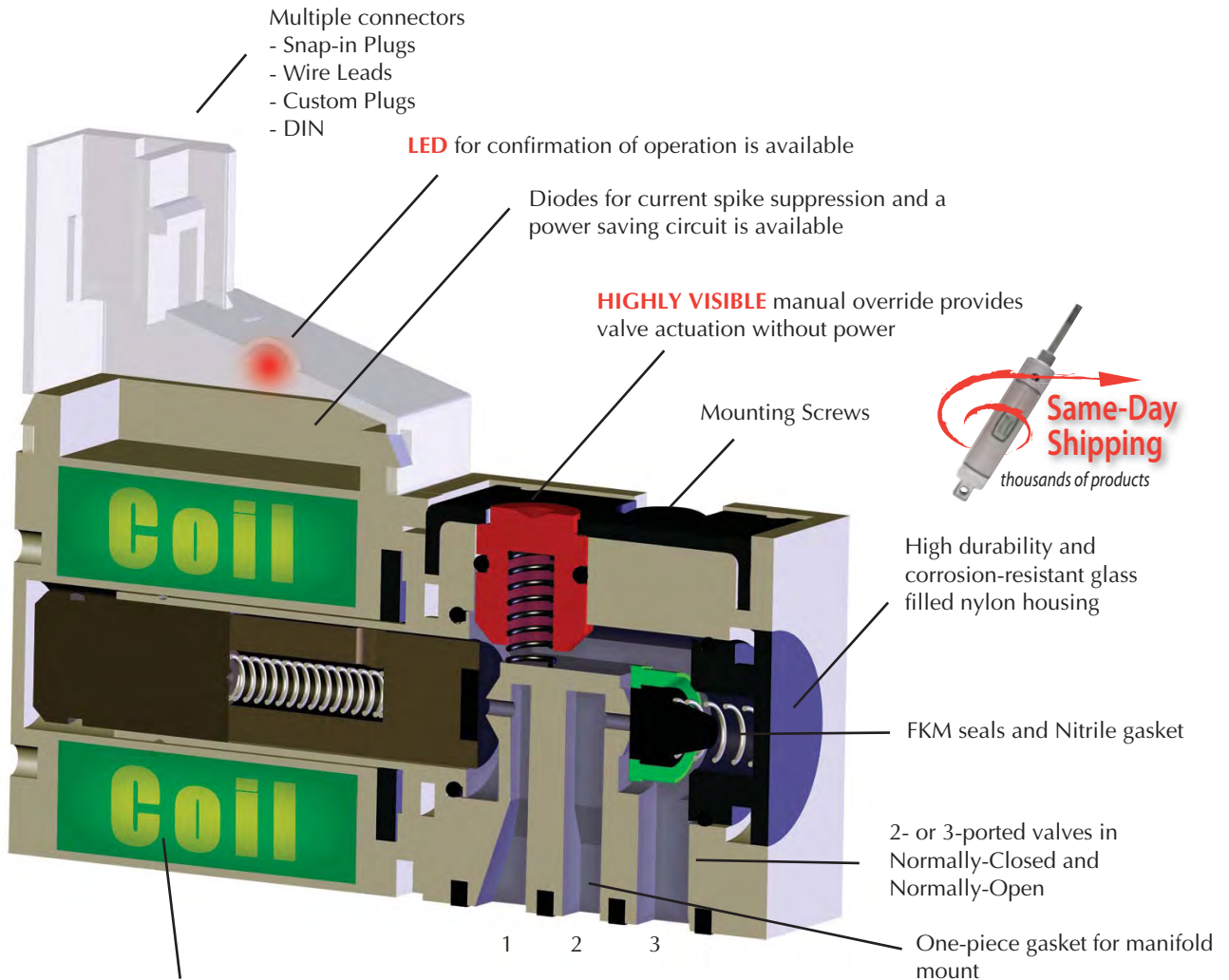
Electrical: The coil is constructed of copper wire and is insulated according to the class "F" standard. All circuitry and connections are protected from corrosion.

Weight: 10 mm Series: 0.4 oz.; 15 mm Series: 1.3 oz.





10 MM MINIATURE VALVES

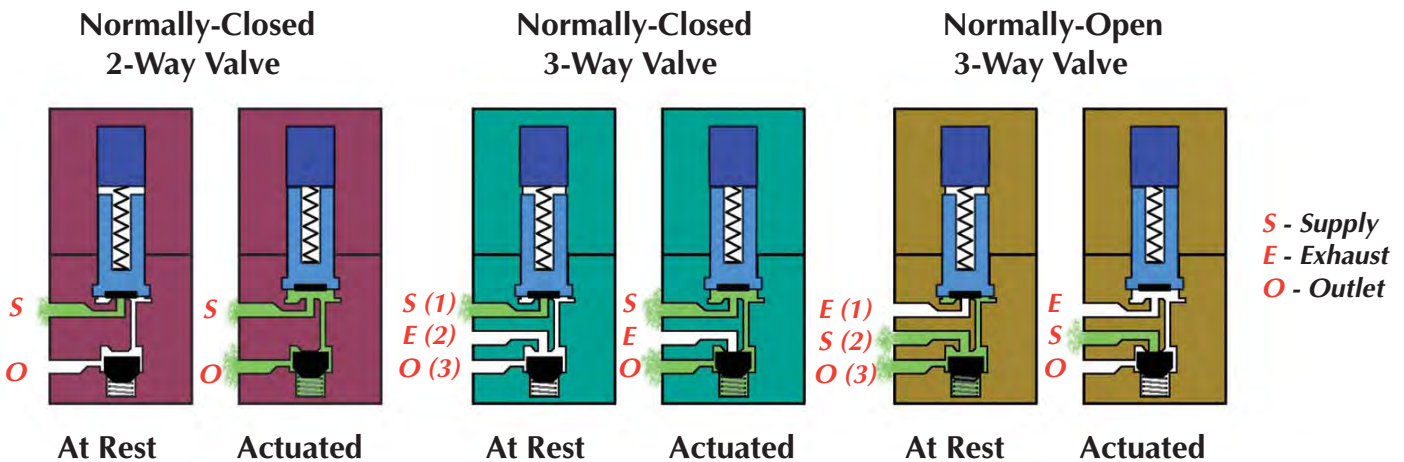


Encapsulated low wattage coils. Available in 12 VDC or 24 VDC. Special voltages available for OEMs.

Config.	1	2	3
N.C.	supply	exhaust	outlet
N.O.	exhaust	supply	outlet



Functional Schematics



Specifications



Medium: Air, Gas or other Compatible Fluids

Working Pressure: See Chart below

Max. Flow Rate:
0.020" Orifice: 14 l/min
0.030" Orifice: 31.2 l/min

Exhaust Flow:
0.020" Orifice: 22.7 l/min
0.030" Orifice: 34 l/min

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

Electrical: 12 VDC or 24 VDC

Voltage Tolerance: -5% to +10%

Power Consumption: 0.6 or 1.3 watts dependent on orifice size and pressure

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

Coil Insulation Class: F 311°F

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



Order Information

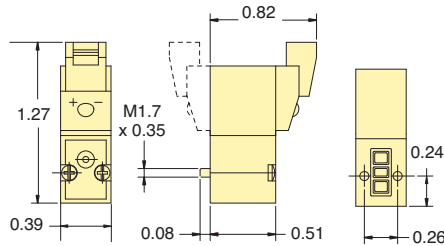
Type	Base No.	Connector	Orifice	Wattage	Working Pressure
2/2 Normally-Closed 	<u>E210A-1E*</u>	90° Connector	0.020"	0.6	14.7 to 110 psig
	<u>E210C-2E*</u>		0.030"	1.3	0 to 110 psig
	<u>E210A-1L*</u>	90° Connector with LED	0.020"	0.6	14.7 to 110 psig
	<u>E210C-2L*</u>		0.030"	1.3	0 to 110 psig
	<u>E210A-1F*</u>	In-Line Connector	0.020"	0.6	14.7 to 110 psig
	<u>E210C-2F*</u>		0.030"	1.3	0 to 110 psig
	<u>E210A-1C*</u>	In-Line Connector with LED	0.020"	0.6	14.7 to 110 psig
<u>E210C-2C*</u>		0.030"	1.3	0 to 110 psig	
	<u>E210A-1W*</u>	Wire Leads, 11.8"	0.020"	0.6	14.7 to 110 psig
	<u>E210C-2W*</u>		0.030"	1.3	0 to 110 psig
3/2 Normally-Closed 	<u>E310A-1E*</u>	90° Connector	0.020"	0.6	14.7 to 110 psig
	<u>E310C-2E*</u>		0.030"	1.3	0 to 110 psig
	<u>E310A-1L*</u>	90° Connector with LED	0.020"	0.6	14.7 to 110 psig
	<u>E310C-2L*</u>		0.030"	1.3	0 to 110 psig
	<u>E310A-1F*</u>	In-Line Connector	0.020"	0.6	14.7 to 110 psig
	<u>E310C-2F*</u>		0.030"	1.3	0 to 110 psig
	<u>E310A-1C*</u>	In-Line Connector with LED	0.020"	0.6	14.7 to 110 psig
<u>E310C-2C*</u>		0.030"	1.3	0 to 110 psig	
	<u>E310A-1W*</u>	Wire Leads, 11.8"	0.020"	0.6	14.7 to 110 psig
	<u>E310C-2W*</u>		0.030"	1.3	0 to 110 psig
3/2 Normally-Open 	<u>E3O10A-1E*</u>	90° Connector	0.020"	0.6	14.7 to 70 psig
	<u>E3O10C-2E*</u>		0.030"	1.3	0 to 110 psig
	<u>E3O10A-1L*</u>	90° Connector with LED	0.020"	0.6	14.7 to 70 psig
	<u>E3O10C-2L*</u>		0.030"	1.3	0 to 110 psig
	<u>E3O10A-1F*</u>	In-Line Connector	0.020"	0.6	14.7 to 70 psig
	<u>E3O10C-2F*</u>		0.030"	1.3	0 to 110 psig
	<u>E3O10A-1C*</u>	In-Line Connector with LED	0.020"	0.6	14.7 to 70 psig
<u>E3O10C-2C*</u>		0.030"	1.3	0 to 110 psig	
	<u>E3O10A-1W*</u>	Wire Leads, 11.8"	0.020"	0.6	14.7 to 70 psig
	<u>E3O10C-2W*</u>		0.030"	1.3	0 to 110 psig

* Add Voltage Choice to the end of each Base Part Number. "012" (12 VDC) or "024" (24 VDC).
Example: E210A-1C012

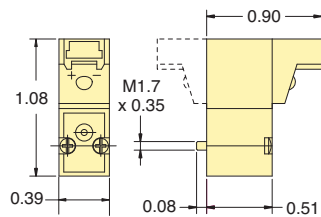


10 MM MINIATURE VALVES

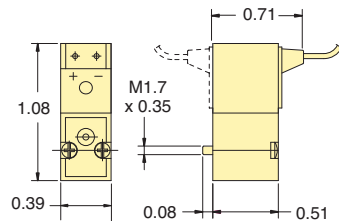
In-Line Connector with LED



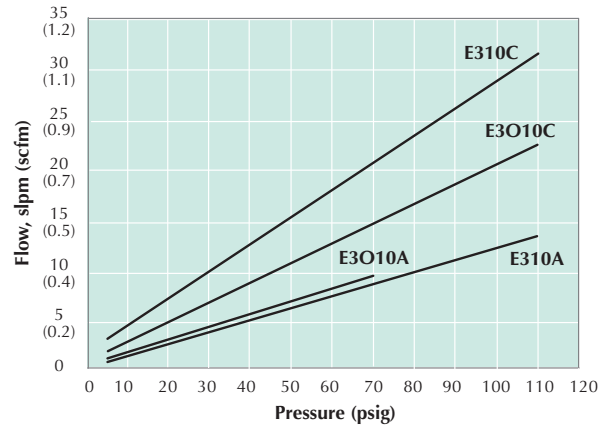
90° Connector with LED



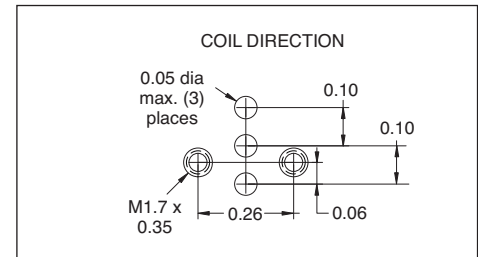
Wire Leads



Typical Air Flow



Mounting Interface



Connectors

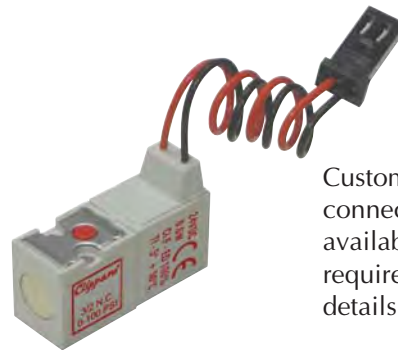
Wire Connector must be ordered separately. 24 AWG. Stranding 7/32.



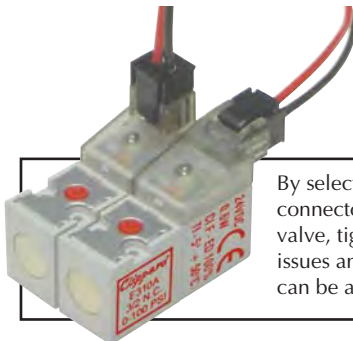
Part No.

- 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.



Custom plugs, wire lengths, connectors and flavors are available for your specific requirements. Call for details.



By selecting the appropriate connector type for your 10 mm valve, tight spaces, orientation issues and electrical requirements can be accommodated easily.

Another feature of the Clippard 10 mm valve is the ability to detach the coil and connector from the valve body. This can be useful for the purpose of orientating the coil by 180°, or exchanging connector types or voltages.

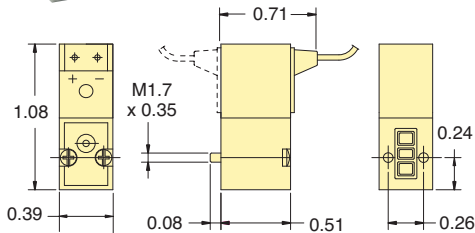


LATCHING 10 MM MINIATURE VALVES



- 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

Working Pressure: 0 to 110 psig

Orifice: 0.030"

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

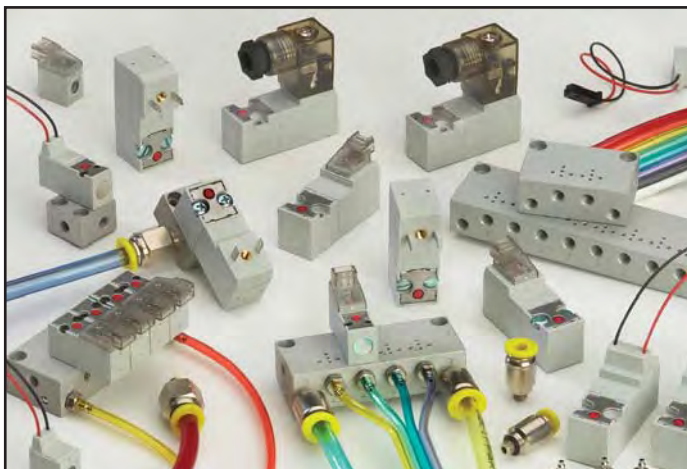
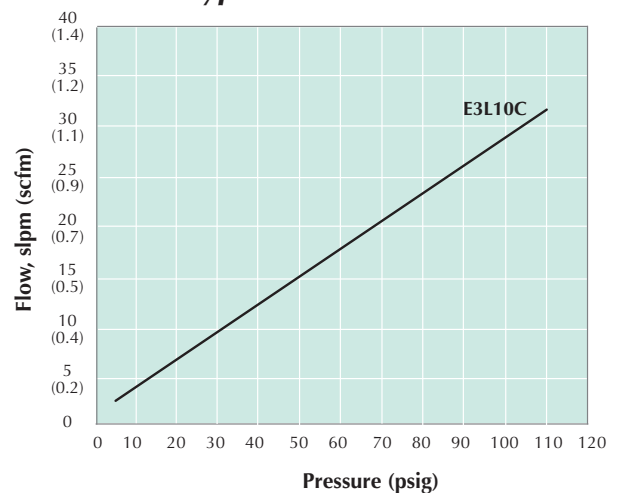
Material: Stainless steel core and springs, nylon body, FKM dynamic seals, and Nitrile gasket and static seals.

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

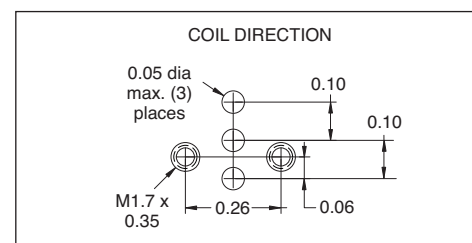
Medium: Air, Gas or other Compatible Fluids

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

Typical Air Flow



Mounting Interface



See [pages 224 & 227](#) for connectors and manifolds



HIGH FLOW 2-WAY 10 MM MINIATURE VALVES

Specifications

Medium: Air, Gas or other Compatible Fluids

Working Pressure: 0 to 30 psig

Max. Flow Rate: 28 lpm

Orifice: 0.055"

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

Electrical: 12 VDC or 24 VDC

Power Consumption: 3.5 watts in rush phase; 15 ms/0.35 watts in maintenance phase

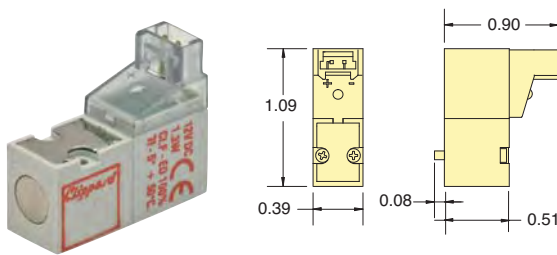
Voltage Tolerance: -5% to +10%

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

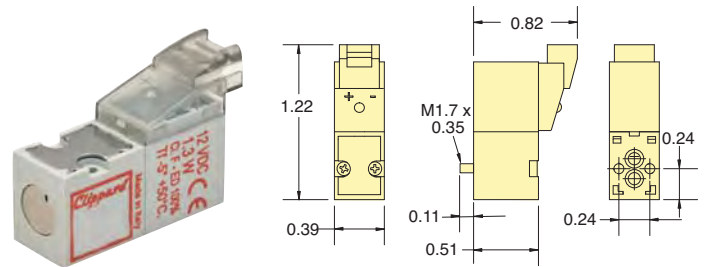
Temperature Range: 23 to 122°F. When below 32°F, must use clean, dry air



90° Connector with LED

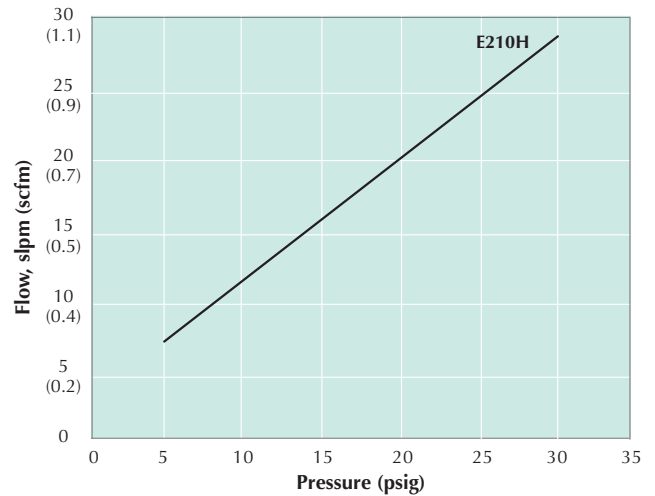


In-Line Connector with LED

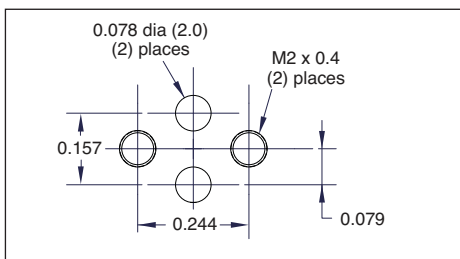


Part No.	Connector	Voltage
E210H-3L012	90° Connector with LED	12 VDC
E210H-3L024		24 VDC
E210H-3C012	In-Line Connector with LED	12 VDC
E210H-3C024		24 VDC

Typical Air Flow

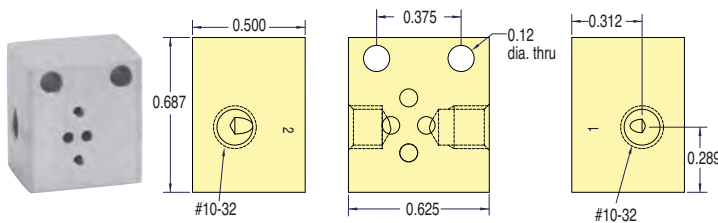


Mounting Interface



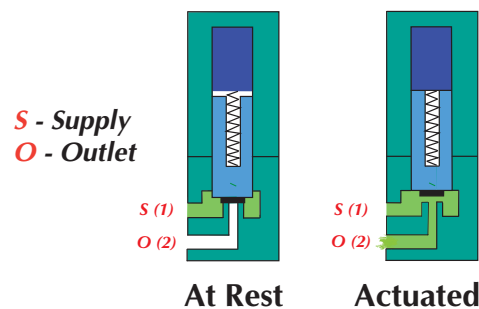
10 mm High Flow Single-Station Manifold

Spare hardware and closing plates available.



Part No.
[E10HM-01](#) 10 mm Single-Station Manifold

Functional Schematics



Specifications

Medium: Air, Gas, or other Compatible Fluids

Working Pressure: 0 to 102 psig

Maximum Flow Rate: 42 l/min

Exhaust Flow: 49 l/min

Orifice: 0.043"

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

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

Voltage: 12-volt DC or 24-volt DC

Voltage Tolerance: -5% to +10%

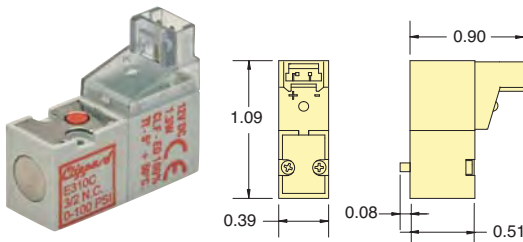
Power Consumption: 3.5 watts in rush phase; 15 ms/0.35 watts in maintenance phase

Coil Insulation Class: F 311°F

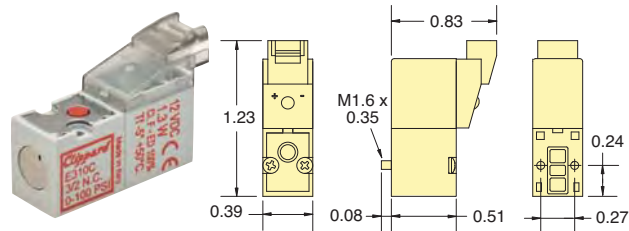
Temperature Range: 23 to 122°F



90° Connector with LED

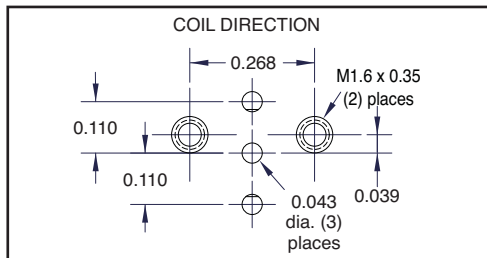


In-Line Connector with LED

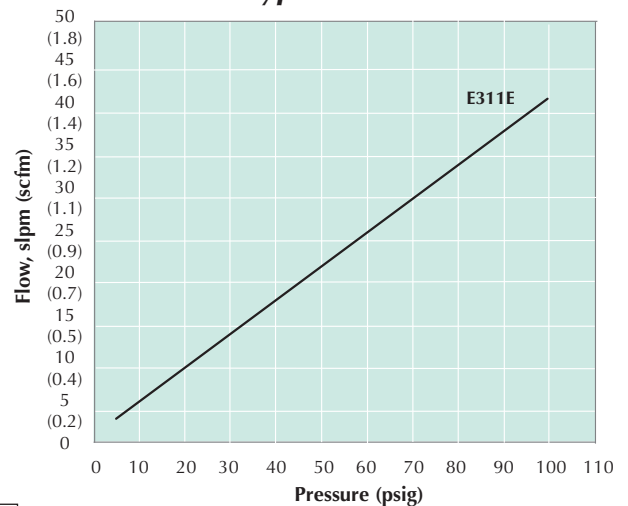


Part No.	Connector	Voltage
E311E-3L012	90° Connector	12 VDC
E311E-3L024	with LED	24 VDC
E311E-3C012	In-Line Connector	12 VDC
E311E-3C024	with LED	24 VDC

Mounting Interface

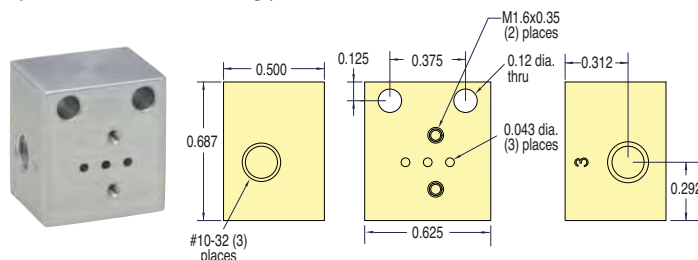


Typical Air Flow



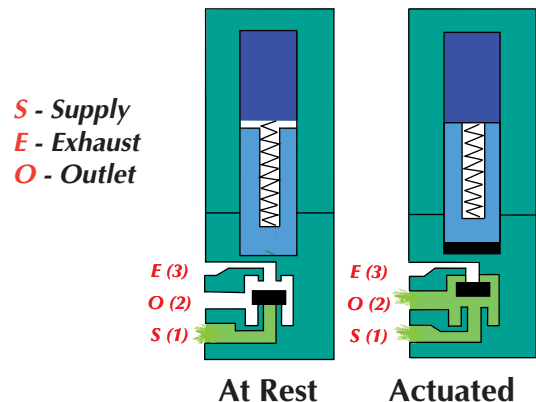
ISO 15218 10 mm High Flow Single-Station Manifold

Spare hardware and closing plates available.



Part No.	Description
E10LM-01	ISO 10 mm Single-Station Manifold

Functional Schematics

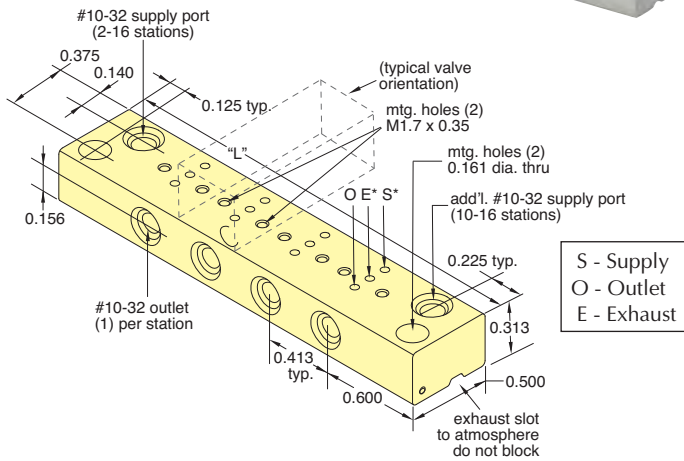




10 MM MINIATURE VALVE ACCESSORIES

Sub-Miniature Manifolds

Small, compact manifolds offer the efficient grouping of 10 mm valves along with fast installation. Easy manifold features a common inlet, individually-ported outlets, and exhaust to atmosphere.



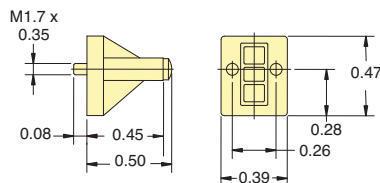
* For Normally-Open valves, supply to "E" and "S" becomes exhaust.

Stations	Supply Ports	Part No.	Length "L"
2	1	E10SM-02	1.61
4	1	E10SM-04	2.44
6	1	E10SM-06	3.27
8	1	E10SM-08	4.09
10	2	E10SM-10	4.92
12	2	E10SM-12	5.74
14	2	E10SM-14	6.57
16	2	E10SM-16	7.40

Cover Plate

Manifold Cover Plate includes plate, gasket and two screws.

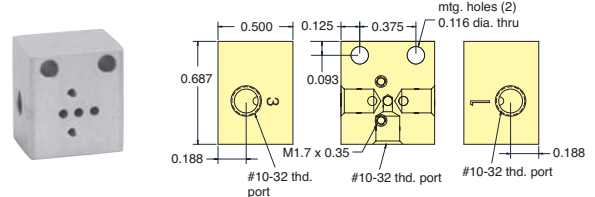
Part No.
[E10M-CP](#) 10 mm Cover Plate



Standard Manifolds

Standard manifolds are available for one to 12 valves with ported exhaust. Spare hardware and closing plates available.

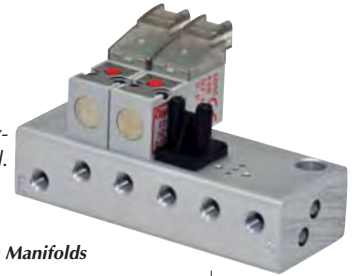
Part No.
[E10M-01](#) Single-Station Manifold



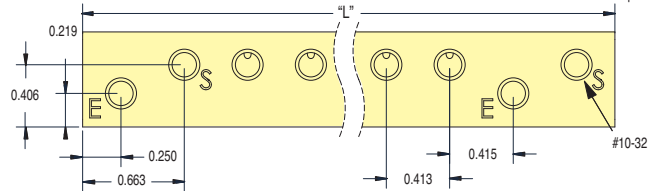
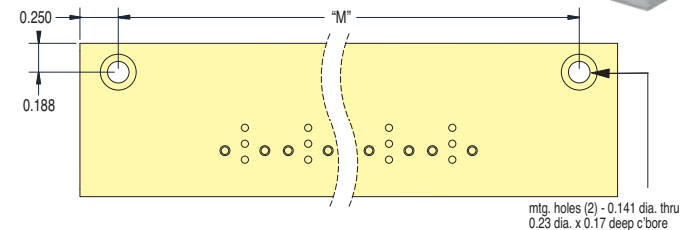
Multi-Station Manifolds

When using these manifolds with Normally-Closed valve configurations:

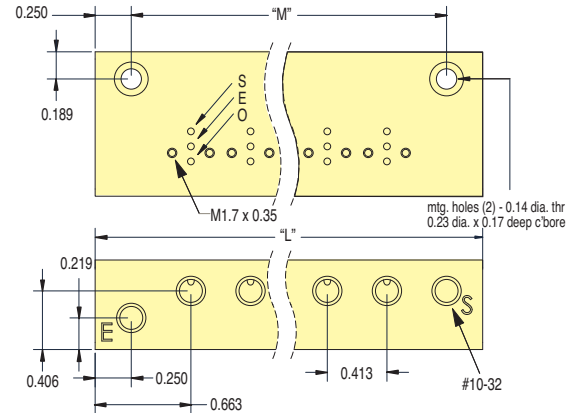
1. They cannot be used with Normally-Closed valves on the same manifold.
2. "E" becomes Supply, and "S" becomes Exhaust.



10- to 16-Station Manifolds



2- to 8-Station Manifolds



Part No.	Stations	Length "L"	Length "M"
E10M-02	2	1.74	1.24
E10M-04	4	2.57	2.07
E10M-06	6	3.39	2.89
E10M-08	8	4.22	3.72
E10M-10	10	5.87	5.37
E10M-12	12	6.70	6.20
E10M-14	14	7.52	7.02
E10M-16	16	8.35	7.85

15 MM MINIATURE VALVES



Multiple Connectors

- Snap-in Plugs
- Wire Leads
- DIN Connector
- Spade Terminals
- Custom Plugs

LED for confirmation of operation available

Internal diodes for current spike suppression and a power saving circuit is available



Mounting Screws

HIGHLY VISIBLE manual override provides valve actuation without power

High durability and corrosion-resistant glass filled nylon housing

FKM seals and Nitrile gasket

2- or 3-ported valves in Normally-Closed and Normally-Open

One-piece gasket for manifold mount and supply/exhaust port reversed for same manifold mounting of N.O. or N.C. valve



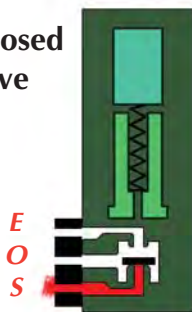
Encapsulated low wattage coils. Available in: 12 VDC, 24 VDC, 24 VAC, 110 VAC or 220 VAC. Special voltages available for OEMs.

Configuration	1	2	3
N.C. & N.O.	exhaust	outlet	supply

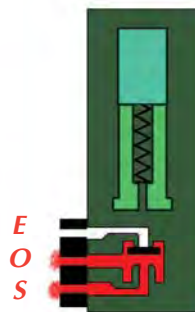
Functional Schematics

Normally-Closed 3-Way Valve

S - Supply
E - Exhaust
O - Outlet

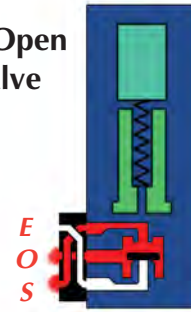


At Rest

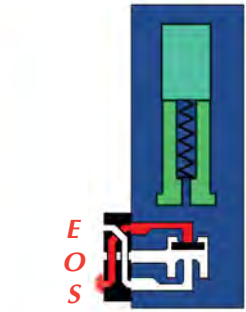


Actuated

Normally-Open 3-Way Valve



At Rest

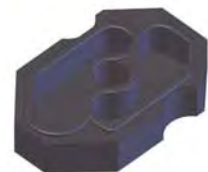


Actuated



Porting Gasket

The Normally-Open and Normally-Closed configurations allow both models to be mounted on the same manifold.





15 MM MINIATURE VALVES

Specifications

Medium: Air, Gas, or other Compatible Fluids

Working Pressure: See Chart below.

Maximum Flow Rate:
 0.032" Orifice: 45 l/min
 0.043" Orifice: 70 l/min
 0.063" Orifice: 91 l/min

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



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

Voltage: 12-volt DC, 24-volt DC or 24-volt AC. 110-volt AC and 220-volt AC only available with DIN Connectors.

Voltage Tolerance: -5% to +10%

Power Consumption: 1.0 or 2.5 watts dependent on orifice size and pressure

Coil Insulation Class: F 311°F

Temperature Range: 23 to 122°F



Order Information

Type	Base No.	Connector						Orifice	Wattage	Working Pressure
			12 VDC	24 VDC	24 VAC	110 VAC	220 VAC			
2/2 Normally-Closed 	E215D-1T*	Terminal	•	•				0.032"	1.0	0 to 150 psig
	E215E-2T*		•	•	•			0.043"	2.5	0 to 150 psig
	E215F-2T*		•	•	•			0.063"	2.5	0 to 110 psig
	E215D-1D*	DIN Connector	•	•				0.032"	1.0	0 to 150 psig
	E215E-2D*		•	•	•	•	•	0.043"	2.5	0 to 150 psig
	E215F-2D*		•	•	•	•	•	0.063"	2.5	0 to 110 psig
	E215D-1W*	Wire Leads, 11.8"	•	•				0.032"	1.0	0 to 150 psig
	E215E-2W*		•	•	•			0.043"	2.5	0 to 150 psig
	E215F-2W*		•	•	•			0.063"	2.5	0 to 110 psig
	E215D-1L*	90° Connector with LED	•	•				0.032"	1.0	0 to 150 psig
	E215E-2L*		•	•				0.043"	2.5	0 to 150 psig
	E215F-2L*		•	•				0.063"	2.5	0 to 110 psig
E215D-1C*	In-Line Connector with LED	•	•				0.032"	1.0	0 to 150 psig	
E215E-2C*		•	•				0.043"	2.5	0 to 150 psig	
E215F-2C*		•	•				0.063"	2.5	0 to 110 psig	
3/2 Normally-Closed 	E315D-1T*	Terminal	•	•				0.032"	1.0	0 to 150 psig
	E315E-2T*		•	•	•			0.043"	2.5	0 to 150 psig
	E315F-2T*		•	•	•			0.063"	2.5	0 to 110 psig
	E315D-1D*	DIN Connector	•	•				0.032"	1.0	0 to 150 psig
	E315E-2D*		•	•	•	•	•	0.043"	2.5	0 to 150 psig
	E315F-2D*		•	•	•	•	•	0.063"	2.5	0 to 110 psig
	E315D-1W*	Wire Leads, 11.8"	•	•				0.032"	1.0	0 to 150 psig
	E315E-2W*		•	•	•			0.043"	2.5	0 to 150 psig
	E315F-2W*		•	•	•			0.063"	2.5	0 to 110 psig
	E315D-1L*	90° Connector with LED	•	•				0.032"	1.0	0 to 150 psig
	E315E-2L*		•	•				0.043"	2.5	0 to 150 psig
	E315F-2L*		•	•				0.063"	2.5	0 to 110 psig
E315D-1C*	In-Line Connector with LED	•	•				0.032"	1.0	0 to 150 psig	
E315E-2C*		•	•				0.063"	2.5	0 to 150 psig	
E315F-2C*		•	•				0.063"	2.5	0 to 110 psig	
3/2 Normally-Open (110 psig max.) 	E3O15E-2T*	Terminal	•	•	•			0.043"	2.5	0 to 110 psig
	E3O15F-2T*		•	•	•			0.063"	2.5	0 to 75 psig
	E3O15E-2D*	DIN Connector	•	•	•	•	•	0.043"	2.5	0 to 110 psig
	E3O15F-2D*		•	•	•	•	•	0.063"	2.5	0 to 75 psig
	E3O15E-2W*	Wire Leads, 11.8"	•	•	•			0.043"	2.5	0 to 110 psig
	E3O15F-2W*		•	•	•			0.063"	2.5	0 to 75 psig
	E3O15E-2L*	90° Connector with LED	•	•				0.043"	2.5	0 to 110 psig
	E3O15F-2L*		•	•				0.063"	2.5	0 to 75 psig
	E3O15E-2C*	In-Line Connector with LED	•	•				0.063"	2.5	0 to 110 psig
E3O15F-2C*	•		•				0.063"	2.5	0 to 75 psig	

• Indicates standard items

* Add Voltage Choice to the end of each Base Part Number. "012" (12 VDC), "024" (24 VDC) "24A" (24 VAC), "110" (110 VAC) or "220" (220 VAC). Example: **E315D-1C012**

15 MM MINIATURE VALVES



Terminal Connector



Industrial Form C Connector ordered separately below.

DIN Connector

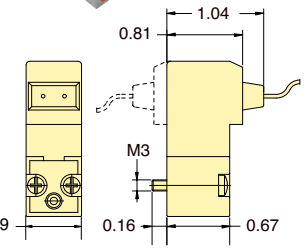
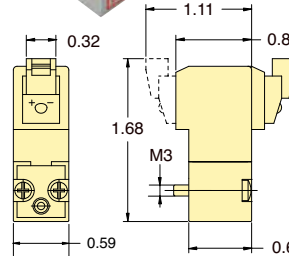
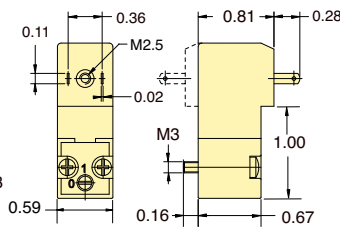
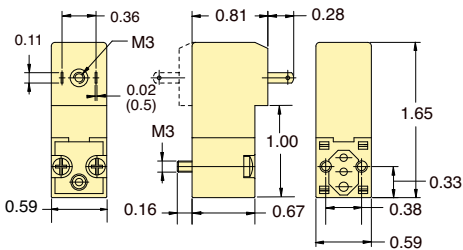


DIN Connector ordered separately below.

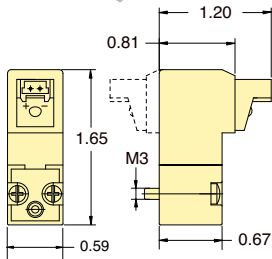
In-Line Connector with LED



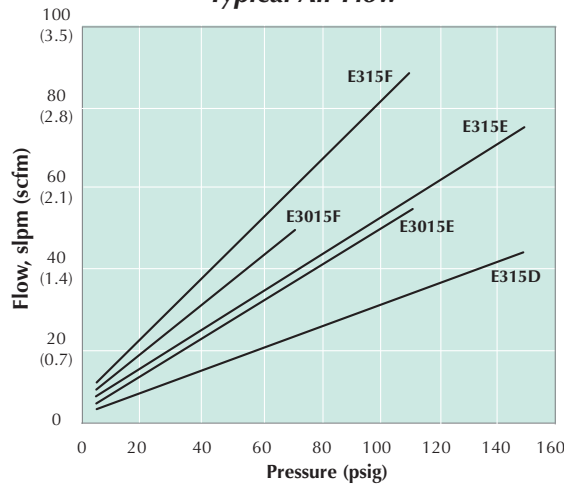
Wire Leads



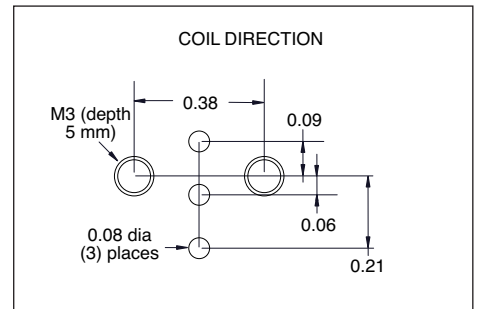
90° Connector with LED



Typical Air Flow



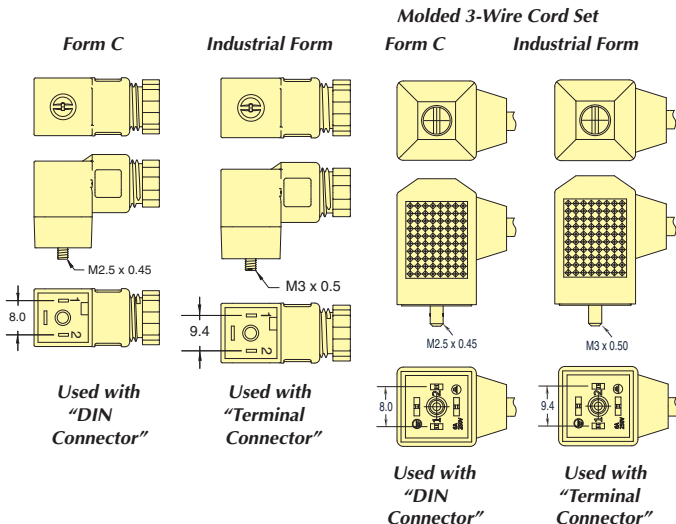
Mounting Interface



DIN Connectors

For Use with 15 mm Valves Only

DIN 43650 Form C Connectors with 8 mm spade center spacing mate with the 15 mm DIN connector coil. Industrial Form Connectors with 9.4 mm spade center spacing are designed to connect to 15 mm terminal coils. Both are available with or without surge suppression, and 152 or 381 mm PVC molded three-wire cord set.



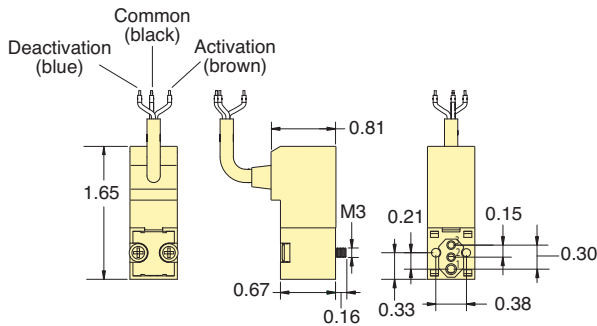
Form C Part No.	Industrial Form Part No.	Volts	LED	Cord
CC-C	CC-I	6-240	no	-
CC-C-P6	CC-I-P6	6-240	no	6'
CC-C-P15	CC-I-P15	6-240	no	15'
CC-CLL	CC-ILL	6-24	yes	-
CC-CLL-P6	CC-ILL-P6	6-24	yes	6'
CC-CLL-P15	CC-ILL-P15	6-24	yes	15'
CC-CLM	CC-ILM	48-110	yes	-
CC-CLM-P6	CC-ILM-P6	48-110	yes	6'
CC-CLM-P15	CC-ILM-P15	48-110	yes	15'



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%



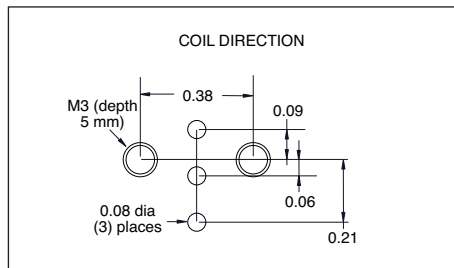
Response Time: 10 ms when energized; 12 ms when de-energized

Copper Wire Isolation Class: F 311°F

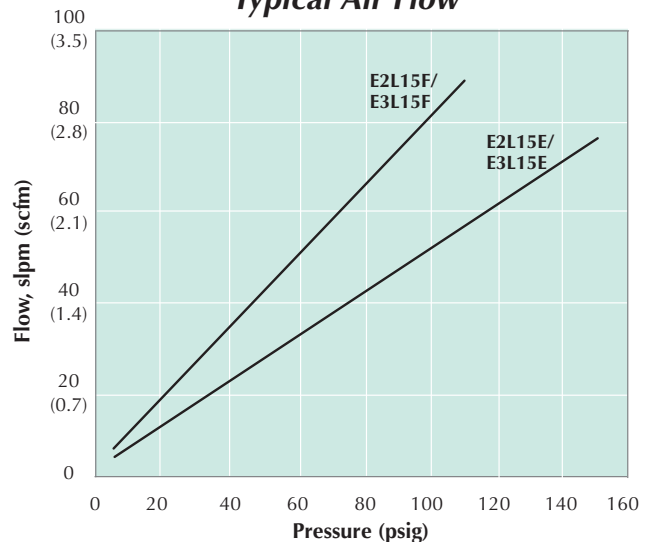
Material: Stainless steel core and springs, nylon body, FKM dynamic seals, and Nitrile gasket and static seals.

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

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%

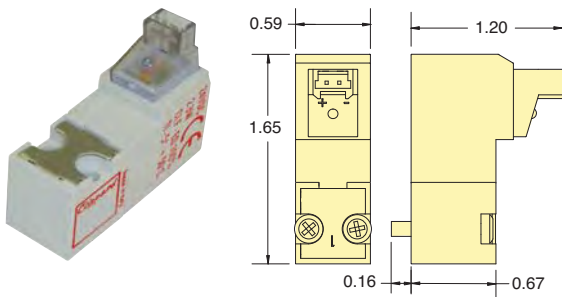
Power Consumption: 4.0 watts

Coil Insulation Class: F 311°F

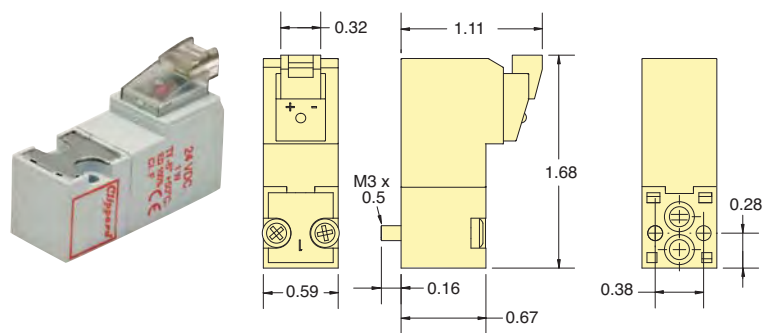
Temperature Range: 23 to 122°F



90° Connector with LED

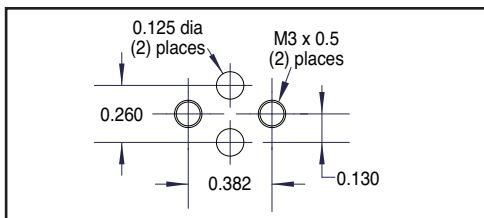


In-Line Connector with LED

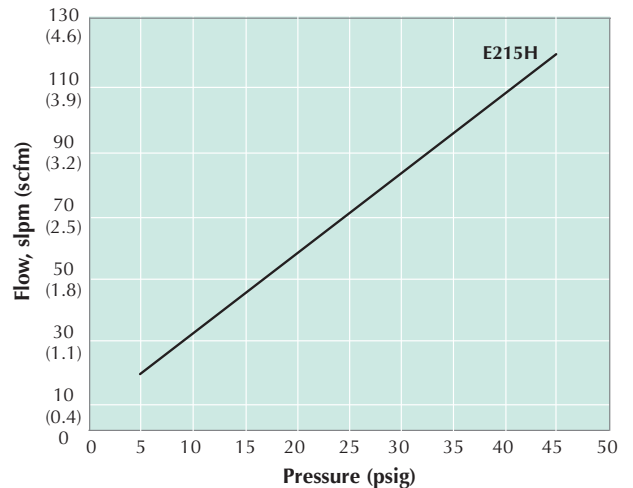


Part No.	Connector	Voltage
E215H-3L012	90° Connector	12 VDC
E215H-3L024	90° Connector with LED	24 VDC
E215H-3C012	In-Line Connector	12 VDC
E215H-3C024	In-Line Connector with LED	24 VDC

Mounting Interface

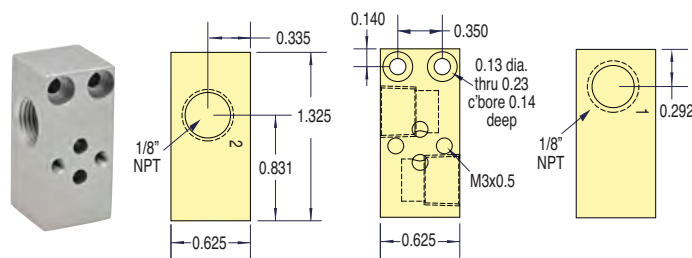


Typical Air Flow



15 mm High Flow Single-Station Manifold

Spare hardware and closing plates available.

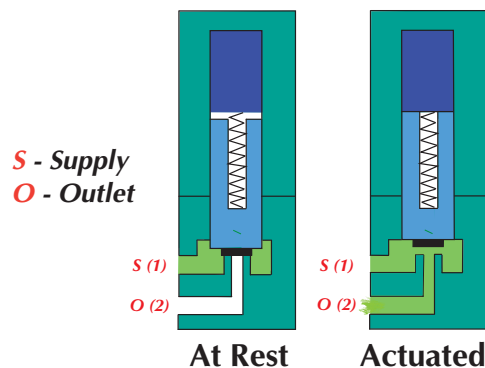


Part No.

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

Metric line available. Visit www.clippard.com

Functional Schematics

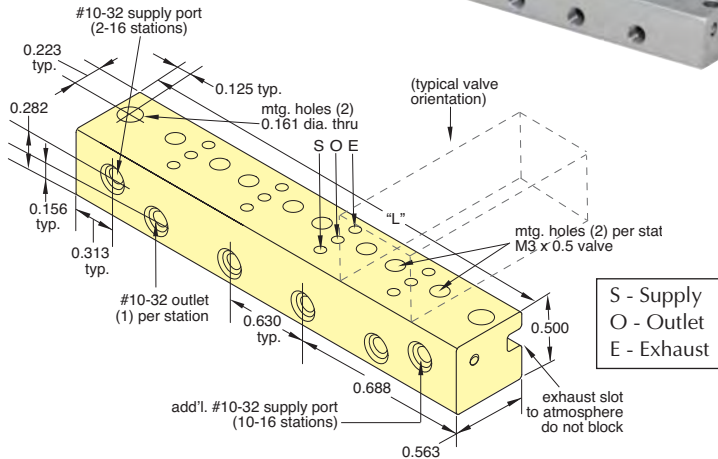
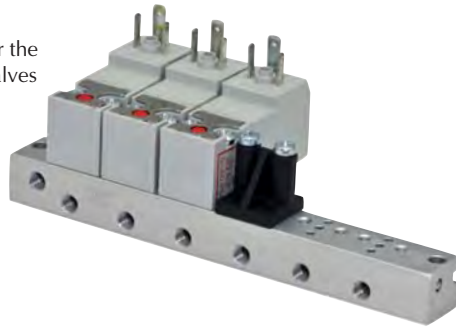




15 MM VALVE ACCESSORIES

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	E15SM-2	2.01
4	1	E15SM-4	3.27
6	1	E15SM-6	4.53
8	1	E15SM-8	5.79
10	2	E15SM-10	7.05
12	2	E15SM-12	8.31
14	2	E15SM-14	9.57
16	2	E15SM-16	10.82



Connectors

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

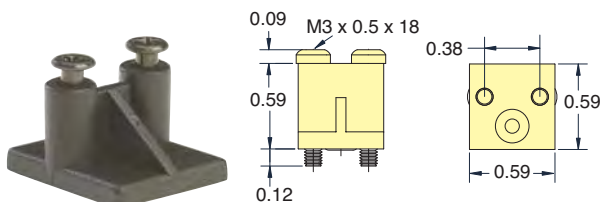
Part No.

- [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.

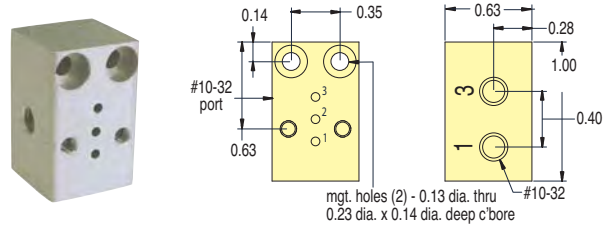


Part No.

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

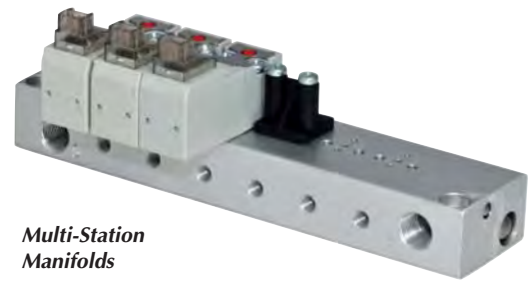
Standard Manifolds

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



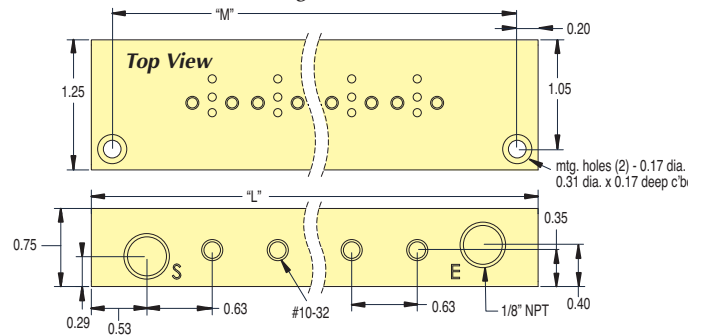
Part No.

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

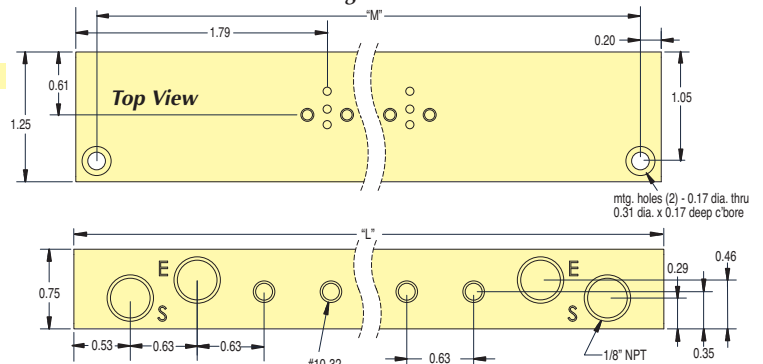


Multi-Station Manifolds

2- through 8-Station



10- through 16-Station



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