



# 15 MM MINIATURE VALVES

## Specifications

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

**Working Pressure:** See Chart below.

**Maximum Flow Rate:**

0.032" (0.8 mm) Orifice: 45 l/min (1.6 scfm)  
 0.043" (1.1 mm) Orifice: 70 l/min (2.6 scfm)  
 0.063" (1.6 mm) Orifice: 91 l/min (3.2 scfm)

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



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

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

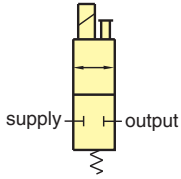
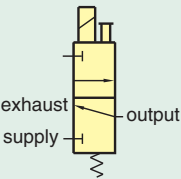
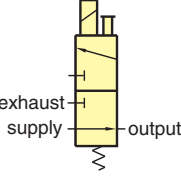
**Voltage Tolerance:** -5% to 10%

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

**Coil Insulation Class:** F 311°F (155°C)

**Temperature Range:** 23 to 122°F (-5 to 50°C)

## Order Information

| Type                                                                                                                            | Base No.                   | Connector                  | 12  | 24  | 24  | 110 | 220    | Orifice | Wattage                | Working Pressure       |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|-----|-----|-----|-----|--------|---------|------------------------|------------------------|
|                                                                                                                                 |                            |                            | VDC | VDC | VAC | VAC | VAC    |         |                        |                        |
| <b>2/2 Normally-Closed</b><br>                | E215D-1T*                  | Terminal                   | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E215E-2T*                  |                            | •   | •   | •   |     |        | 0.043"  | 2.5                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E215F-2T*                  |                            | •   | •   | •   |     |        | 0.063"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E215D-1D*                  | DIN Connector              | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E215E-2D*                  |                            | •   | •   | •   | •   |        | 0.043"  | 2.5                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E215F-2D*                  |                            | •   | •   | •   | •   |        | 0.063"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E215D-1W*                  | Wire Leads, 11.8" (300 mm) | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E215E-2W*                  |                            | •   | •   | •   |     |        | 0.043"  | 2.5                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E215F-2W*                  |                            | •   | •   | •   |     |        | 0.063"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E215D-1L*                  | 90° Connector with LED     | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
| E215E-2L*                                                                                                                       | •                          |                            | •   |     |     |     | 0.043" | 2.5     | 0 to 150 psig/10.3 bar |                        |
| E215F-2L*                                                                                                                       | •                          |                            | •   |     |     |     | 0.063" | 2.5     | 0 to 110 psig/7.6 bar  |                        |
| E215D-1C*                                                                                                                       | In-Line Connector with LED | •                          | •   |     |     |     | 0.032" | 1.0     | 0 to 150 psig/10.3 bar |                        |
| E215E-2C*                                                                                                                       |                            | •                          | •   |     |     |     | 0.043" | 2.5     | 0 to 150 psig/10.3 bar |                        |
| E215F-2C*                                                                                                                       |                            | •                          | •   |     |     |     | 0.063" | 2.5     | 0 to 110 psig/7.6 bar  |                        |
| <b>3/2 Normally-Closed</b><br>               | E315D-1T*                  | Terminal                   | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E315E-2T*                  |                            | •   | •   | •   |     |        | 0.043"  | 2.5                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E315F-2T*                  |                            | •   | •   | •   |     |        | 0.063"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E315D-1D*                  | DIN Connector              | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E315E-2D*                  |                            | •   | •   | •   | •   |        | 0.043"  | 2.5                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E315F-2D*                  |                            | •   | •   | •   | •   |        | 0.063"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E315D-1W*                  | Wire Leads, 11.8" (300 mm) | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E315E-2W*                  |                            | •   | •   | •   |     |        | 0.043"  | 2.5                    | 0 to 150 psig/10.3 bar |
|                                                                                                                                 | E315F-2W*                  |                            | •   | •   | •   |     |        | 0.063"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E315D-1L*                  | 90° Connector with LED     | •   | •   |     |     |        | 0.032"  | 1.0                    | 0 to 150 psig/10.3 bar |
| E315E-2L*                                                                                                                       | •                          |                            | •   |     |     |     | 0.043" | 2.5     | 0 to 150 psig/10.3 bar |                        |
| E315F-2L*                                                                                                                       | •                          |                            | •   |     |     |     | 0.063" | 2.5     | 0 to 110 psig/7.6 bar  |                        |
| E315D-1C*                                                                                                                       | In-Line Connector with LED | •                          | •   |     |     |     | 0.032" | 1.0     | 0 to 150 psig/10.3 bar |                        |
| E315E-2C*                                                                                                                       |                            | •                          | •   |     |     |     | 0.063" | 2.5     | 0 to 150 psig/10.3 bar |                        |
| E315F-2C*                                                                                                                       |                            | •                          | •   |     |     |     | 0.063" | 2.5     | 0 to 110 psig/7.6 bar  |                        |
| <b>3/2 Normally-Open (110 psig max.)</b><br> | E3O15E-2T*                 | Terminal                   | •   | •   | •   |     |        | 0.043"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E3O15F-2T*                 |                            | •   | •   | •   |     |        | 0.063"  | 2.5                    | 0 to 75 psig/5.2 bar   |
|                                                                                                                                 | E3O15E-2D*                 | DIN Connector              | •   | •   | •   | •   | •      | 0.043"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E3O15F-2D*                 |                            | •   | •   | •   | •   | •      | 0.063"  | 2.5                    | 0 to 75 psig/5.2 bar   |
|                                                                                                                                 | E3O15E-2W*                 | Wire Leads, 11.8" (300 mm) | •   | •   | •   |     |        | 0.043"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E3O15F-2W*                 |                            | •   | •   | •   |     |        | 0.063"  | 2.5                    | 0 to 75 psig/5.2 bar   |
|                                                                                                                                 | E3O15E-2L*                 | 90° Connector with LED     | •   | •   |     |     |        | 0.043"  | 2.5                    | 0 to 110 psig/7.6 bar  |
|                                                                                                                                 | E3O15F-2L*                 |                            | •   | •   |     |     |        | 0.063"  | 2.5                    | 0 to 75 psig/5.2 bar   |
| E3O15E-2C*                                                                                                                      | In-Line Connector with LED | •                          | •   |     |     |     | 0.063" | 2.5     | 0 to 110 psig/7.6 bar  |                        |
| E3O15F-2C*                                                                                                                      |                            | •                          | •   |     |     |     | 0.063" | 2.5     | 0 to 75 psig/5.2 bar   |                        |

• 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**