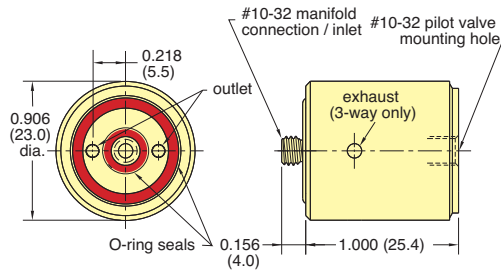


# EV, ET, EC, EW SERIES HIGHER FLOW VALVES



## EC, EV, ET & EW PILOTED 2-WAY & 3-WAY NORMALLY-CLOSED, PRESSURE PILOTED VALVES, MANIFOLD MOUNT



**Medium:** Air

**Materials:** Nickel-plated brass, acetal, stainless steel and Buna-N

**Response:** 20 milliseconds @ 20 psig;  
13 milliseconds @ 100 psig nominal

**Ports:** Inlet and outlet through manifold

**Material:** Nickel-plated brass, acetal, stainless steel and Buna-N

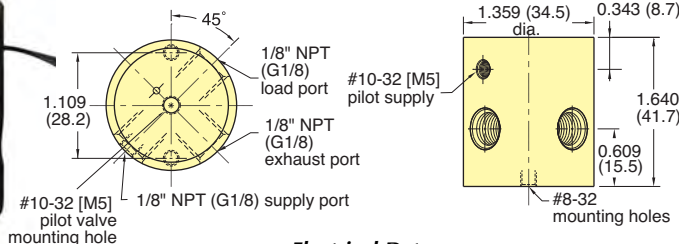
**Note:** Use only Normally-Closed 3-Way Pilot valves in conjunction with EVB-2/EVB-3

**Part No.**

- EVB-2 2-Way Valve Booster
- EVB-3 3-Way Valve Booster

Input Pressure	Air Flow
20 to 150 psig	6.1 scfm @ 100 psig (176 l/min @ 7 bar)

## ELECTRONIC INTERFACE 3-WAY NORMALLY-CLOSED VALVE



**Medium:** Air

**Filtration:** 10 micron

**Ports:** 1/8" NPT female

**Switching Speed:** 10 milliseconds

**Bleed Flow:** 0.10 scfm @ 100 psig

**Frequency Response:** 50 Hz @ 100 psig;  
70 Hz @ 30 psig

**Part No.**

- 2013-6 Interface Valve, 6 VDC
- 2013-12 Interface Valve, 12 VDC
- 2013-24 Interface Valve, 24 VDC

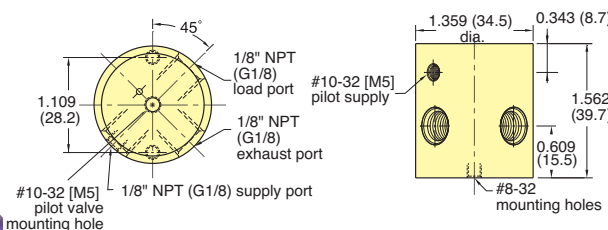
**Continuous Overload:** 350% @ 25°C ambient; 250% @ 50°C ambient

**Power Consumption:** Less than 0.50 watts @ rated voltage (80 ma. @ 6 VDC, 40 ma. @ 12 VDC 20 ma. @ 24VDC)

**Leads:** 28 gauge stranded PVC insulated

Input Pressure	Air Flow
30 to 100 psig <i>call for special configurations</i>	22 scfm @ 100 psig (634 l/min @ 7 bar)

## 3-WAY NORMALLY-CLOSED, PRESSURE PILOTED VALVES



**Medium:** Air

**Pilot Pressure:** (2020) 60% of supply pressure, minimum

**Response:** Approximately 20 milliseconds

**Mounting:** Mounting holes provided

**Ports:** Inlet and outlet, exhaust 1/8" NPT Pilot supply on 2020 is #10-32 female

**Materials:** Anodized Aluminum, Stainless Steel and Buna-N

**Additional Note:** Use only Normally-Closed 3-way pilot valves in conjunction with 2020/2021

**Option:** Add -MG to the end of the Part No. for metric version

Designed to be piloted by a Clippard EC, EV and ET manifold mount electronic valve (not included). Output from the EC, EV and ET actuates the valve to produce outputs up to 22 scfm at 100 psig. Combines low wattage, long life and cool running of the EC, EV and ET valves with quick response and high flow of Clippard "Fluidamp" type valves. The 2020 and 2021 are identical in all respects except one. The 2020 has an external #10-32 pilot port.

**Part No.**

- 2020 External Piloted Valve with #10-32 Port
- 2021 Internal Piloted Valve

Input Pressure	Air Flow
30 to 100 psig <i>call for special configurations</i>	30 scfm @ 100 psig (2.1 l/min @ 7 bar)