## **SPECIAL PILOTED 3-WAY VALVES**



## 3-Way Normally-Closed Amplifier Valves

SIGNAL A MODEL 2010

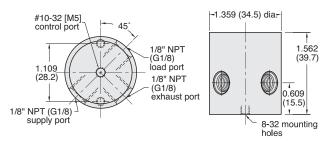
FLUIDIC INTERFACE VALVE

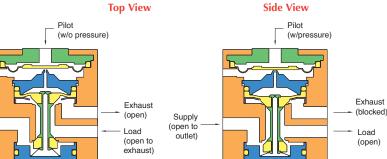
NORTHEAST FLUIDICS DIV OF CIPOPAR'S CINCINNATI, OHIO 4520

Supply

(blocked)

3-Way Valve Normally-Closed Interface amplifies very low pressure air-jet sensing signals to working power levels

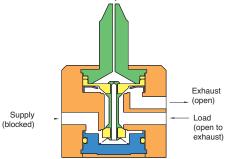




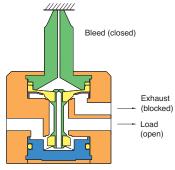
Valve Closed Valve Open

3-Way Bleed Pressure Piloted Limit Valves

3-Way Bleed Pressure Piloted Limit Valve; blocking of the sensing port causes rapid valve opening -1.359 (34.5) dia-3/8-24 thd. rubber nozzle bleed port 2.000 (50.8)1/8" NPT (G1/8) 1.203 load port 1.109 (30.6) (28.2)1/8" NPT 0.609 (G1/8) (15.5)exhaust port 1/8" NPT (G1/8) 8-32 mounting supply port **Top View Side View** Bleed (open)



Valve Closed



Valve Open

Medium: Air

**Material:** Anodized aluminum body, Buna-N diaphragms

**Input Pressure:** 30 to 100 psig/2 to 7 bar max.

**Air Flow:** 22 scfm @ 100 psig; 530 l/min @ 6 bar

Pilot Pressure: 4" H<sub>2</sub>O @ 100 psig

Maximum Allowable Pilot

Pressure: 5 psig

**Response Time:** 10 milliseconds dead headed

Operating Speed: 50 Hz Bleed: 0.1 scfm @ 100 psig

Ports: Load - 1/8" NPT (G1/8) female Supply - 1/8" NPT (G1/8) female Exhaust - 1/8" NPT (G1/8) female Control - #10-32 (M5) female

Part No. Description
2010 Normally-Closed

Interface, 1/8" NPT 2010-MG Normally-Closed Interface, G1/8

Medium: Air

**Material:** Anodized aluminum body, Buna-N diaphragms

**Input Pressure:** 30 to 100 psig/ 2 to 7 bar max.

**Air Flow:** 22 scfm @ 100 psig; 530 l/min@ 6 bar

**Bleed:** 0.1 scfm @ 100 psig

Response Time: 15 milliseconds

Ports: 1/8" NPT (G1/8)

Note: Supplied with threaded bulkhead mount and integral rubber nozzle for direct actuation by mechanical closure. By removing rubber nozzle and inserting a #10-32 fitting and length of hose, 2011-1 can be converted to a remote sensing valve.

Part No. Description

2011-1 Piloted Limit Valve, 1/8" NPT

2011-1-MG Piloted Limit Valve,

G1/8