

AIV SERIES AIR-OPERATED VALVES

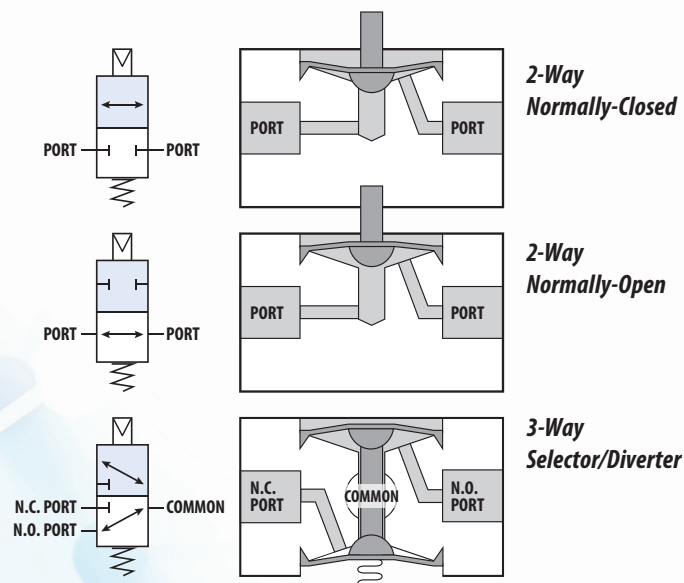


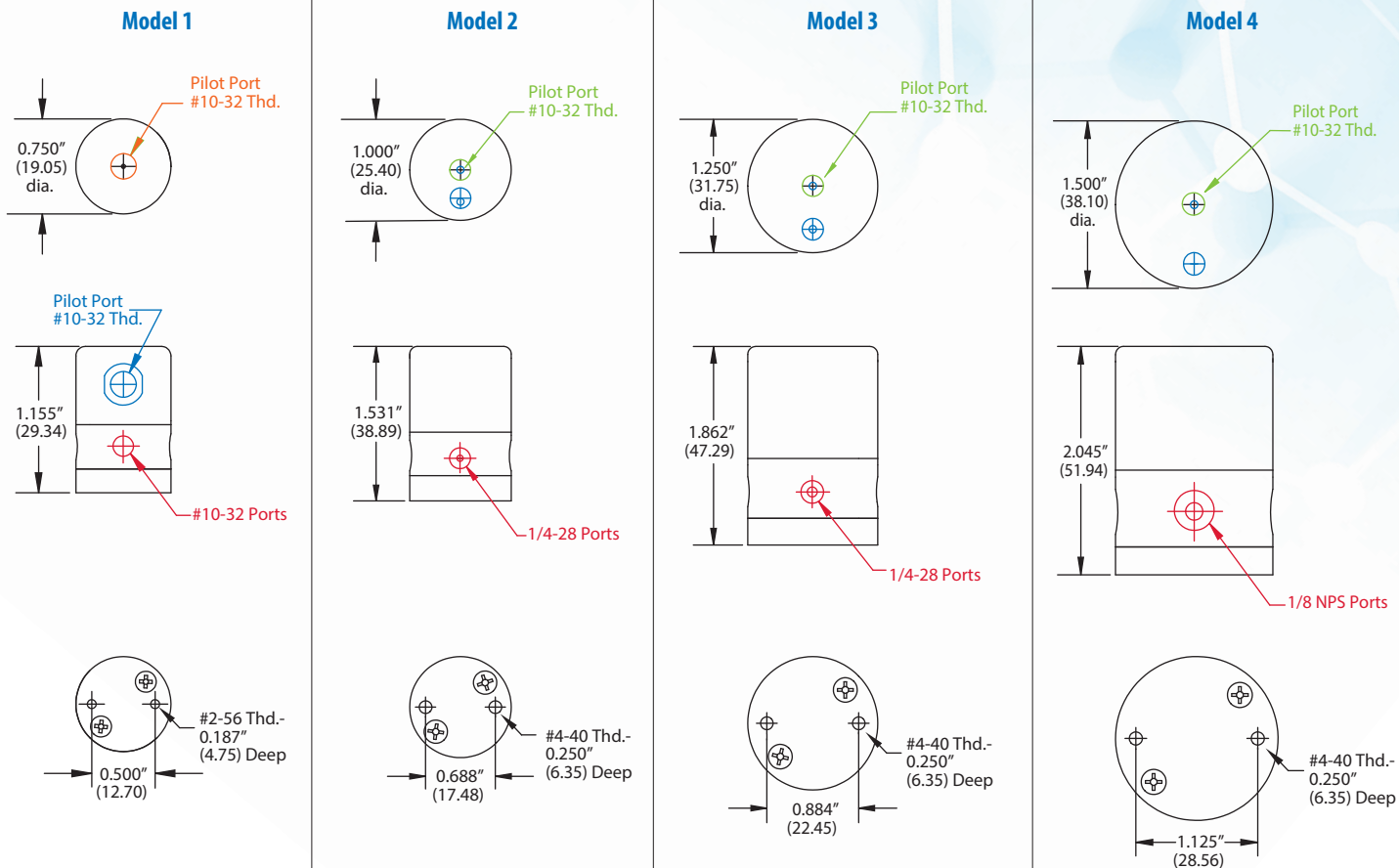
Like the NIV and PIV series, the AIV series features Clippard's unique multifunctional valve stem design for longer life and minimal dead volume. The difference with the AIV series is that it also provides the added benefit of air operation, which is—by definition—intrinsically-safe. No solenoid means absolutely no heat buildup from the coil, making the AIV series ideal for applications that utilize temperature-sensitive media. Like the PIV, all wetted areas of the AIV series are PTFE and PEEK, making it ideal for use with corrosive media.

- Zero power consumption (air-operated)
- Excellent intrinsically safe valve substitute
- No heat build-up
- Compact, lightweight design
- Bidirectional
- Minimal dead volume
- Fully flushable
- All wetted areas PTFE or PEEK
- High cycle life
- Fast response time
- Proudly made in the USA



Connection	#10-32 UNF (<i>pilot port</i>)
Documentation	CE, RoHS
Flow Range	10 to 180 l/min @ 100 psig (7 bar)
Function	2-way normally-closed or normally-open or 3-way selector/diverter
Material, Wetted	PTFE, PEEK
Medium	Air, water, gas, or compatible fluids
Mount	#2-56 or #4-40
Operating Temp. Range	-30 to 180°F (-34 to 82°C)
Operating Pressure	Vac. to 100 psig (7 bar)
Pilot Pressure, Max.	100 psig (7 bar)
Pilot Pressure, Min.	30 psig (2 bar)
Ports	#10-32, 1/4-28 UNF, or 1/8 NPS
More Details	clippard.com/link/aiv





- All versions
 ■ 2-Way, Normally-Closed (-2)
 ■ 2-Way, Normally-Open (O-2)
 ■ 3-Way Selector/Diverter (-3)
 ■ 2-Way, Normally-Open & 3-Way Selector/Diverter (O-2 and -3)

Dimensions shown are in inches (millimeters listed in parentheses).
Visit clippard.com for more detailed 2D and 3D drawings.

ORDERING INFORMATION

A I V

Orifice*

- 0.040" (1.0 mm) — #10-32 ports; 2-way: 30 l/min, 3-way: 10 l/min
- 0.062" (1.6 mm) — 1/4-28 UNF ports; 2-way: 60 l/min, 3-way: 35 l/min
- 0.095" (2.4 mm) — 1/4-28 UNF ports; 2-way: 130 l/min, 3-way: 75 l/min
- 0.156" (4.0 mm) — 1/8 NPS ports; 2-way: 180 l/min, 3-way: 115 l/min

*Flow @ 100 psig (7 bar)

**Example
Part Number:**

AIV1-2

Function

- 2 2-Way, Normally-Closed
- O-2 2-Way, Normally-Open
- 3 3-Way Selector/Diverter

PEEK ZERO DEAD VOLUME FITTINGS

- IJ2 1/4-28 thd.-1/16" ID Hose Barb
- IJ6 1/4-28 thd.-3/16" ID Hose Barb
- IP6 1/8-27 NPS thd.-3/16" ID Hose Barb
- IT2 #10-32 thd.-1/16" ID Hose Barb

Available in packages of 5 (-PKG) or in bulk (-BLK)



For more info, scan the
QR code or visit

clippard.com/link/aiv

