

Air-Actuated Valve, Bronze, Normally Closed, Bi-Directional



AAV-1000B Series



- ✓ Ideal Alternative to Complex Actuated Ball Valves
- ✓ Ideal for Neutral and Some Aggressive Fluids
- ✓ Bi-Directional Flow
- ✓ Optical Position Indication Standard
- ✓ Bronze and PTFE Wetted Parts
- ✓ For Water, Steam, Compressed Air, Natural Gas, Oil or Vacuum Service



AAV-1025B shown smaller than actual size.

The AAV-1000B Series of air-operated bronze angle seat valves are ideal for use in a wide range of industrial applications that require bi-directional flow. The unique construction permits the use of these valves with a wide range of fluids including steam, select liquids and gases, vacuum.

The valve stem has a self-aligning gland which together with the floating seal assures maximum integrity. The PTFE seal material is used as standard for maximum fluid compatibility.

SPECIFICATIONS

Media Temperature: -10 to 180°C (14 to 360°F)

Ambient Temperature: -10 to 60°C (14 to 140°F)

Body Material: Bronze

Seal Material: PTFE

Pilot Media: Air, inert gases, water, maximum 60°C (140°F)

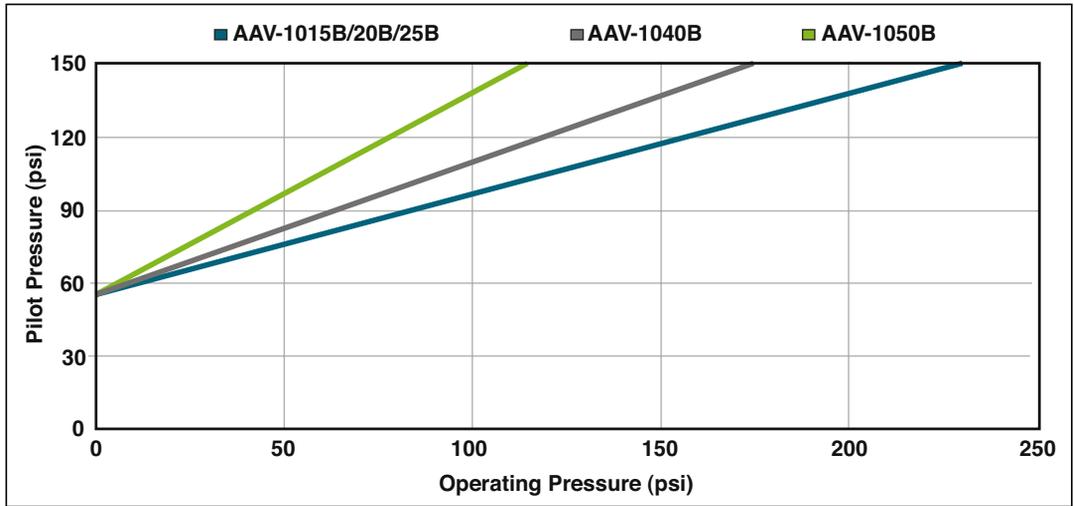
Valve Position: Normally closed

Flow Direction: Bi-directional

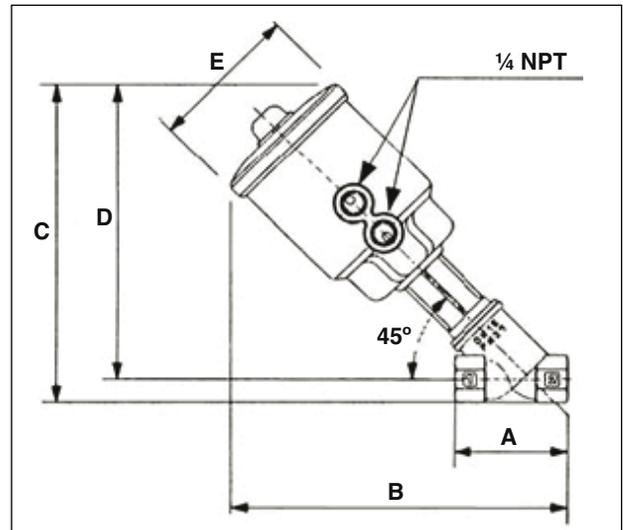
Anti-Water Hammer: 2 → 1 flow only



Required Pilot Pressure Chart



AAV-1025B shown smaller than actual size.



Dimensions: mm (inch)

Model No.	Width (A)	Width (B)	Height (C)	Height (D)	Width (E)	Weight, kg (lb)
AAV-1015B	65 (2.56)	192 (7.56)	186 (7.31)	171 (6.75)	85 (3.34)	1.2 (2.64)
AAV-1020B	75 (2.94)	202 (7.94)	192 (7.56)	174 (6.87)	85 (3.34)	1.3 (2.86)
AAV-1025B	90 (3.56)	212 (8.34)	205 (8.09)	186 (7.34)	85 (3.34)	1.5 (3.30)
AAV-1032B	110 (4.34)	224 (8.81)	217 (8.53)	193 (7.59)	85 (3.34)	1.9 (4.18)
AAV-1040B	120 (4.72)	230 (9.06)	227 (8.94)	202 (7.94)	85 (3.34)	2.1 (4.62)
AAV-1050B	150 (5.91)	248 (9.75)	241 (9.50)	207 (8.16)	85 (3.34)	2.9 (6.38)

To Order

Model No.	NPT	Orifice	cV	Minimum Pressure PSI	Maximum Pressure PSI* (1→2/2→1)	Pilot Pressure Range PSI	Actuator Diameter mm (inch)
AAV-1015B	1/2	1/2"	4.6	0	230 (230)	55 to 150	64 (2.5)
AAV-1020B	3/4	3/4"	8.6		230 (230)		
AAV-1025B	1	1"	19.3		230 (160)		
AAV-1032B	1 1/4	1 1/4"	29		230 (85)		
AAV-1040B	1 1/2	1 1/2"	44.8		175 (60)		
AAV-1050B	2	2"	56.9		115 (35)		

To order units with BSPP threads add suffix "-BSPP" to the model number, no additional cost.

Comes complete with operator's manual (pilot valve sold separately).

* Maximum pressure with steam is limited to 150 psig.