



Series
2V

Pneumatic Pilot Valves

Two-Way and Three-Way Valves — Air — Water — Gas — Steam Service

3-25/32 [96.0]
6-3/4 [171.5]
2-3/32 [51.2]
2-1/8 [54.0]

When used as a 3-Way pilot, ports "A" and "C" are connected when the diaphragm is inflated.
CAUTION: Use of an actuator supply gas other than air can create a hazardous environment because a small amount of gas continuously vents to atmosphere.

W.E. Anderson Series 2V Pneumatic Pilot Valves are compact, combination Two-Way /Three-Way globe valves. Minimal actuator volume and short valve stroke combine to deliver quick, positive action. Ideal for use in boosting response time of diaphragm actuators or as lock-in/lock-out devices.

Suggested Specification: Pneumatic Pilot Valve shall be 2-Way/ 3-Way design in compact size. Body shall be precision-machined Cast Bronze suitable for air, water, gas or steam service with tight shutoff at maximum fluid operating pressures. Actuator shall be of rugged Cast Iron construction with readily accessible spring compression nuts permitting easy pneumatic range adjustment. Pneumatic Pilot Valve shall be W.E. Anderson Model No. _____ configured for (2-Way, Air-To-Close) (2-Way, Air-To-Open) (3-Way) operation.

POPULAR MODELS

MODEL NUMBER	OPERATION
2VA14000	TWO-WAY, AIR-TO-CLOSE
2VB14000	TWO-WAY, AIR-TO-OPEN
2VJ14000	THREE-WAY

SPECIFICATIONS VALVE BODY

Service: Compatible liquids, gases, and steam.
Line Size: 1/4".
Body Style: 2-way or 3-way globe.
End Connections: Female NPT.
Pressure Limit: Gases and liquids: 100 psi (7.00 bar) @ 170°F (77°C), Steam: 60 psi (4.14 bar) @ 274°F (134°C).
Wetted Materials:
Body Material: Bronze.
Trim: Composition.
Stuffing Box: Brass.
Packing: Rope.

Temperature Limits: Gases and liquids: 170°F (77°C), Steam: 274°F (134°C).
Flow Rate: Cv is 1.5 at 100% open.
Weight: 2.6 lb (1.2 kg).
ACTUATOR
Type: Pneumatic spring/diaphragm.
Control Signal: 0 to 30 psi (0 to 2.07 bar).
Air Connection: 1/8" female NPT.
Diaphragm: Natural rubber, cotton insert.
Diaphragm Support Plate, Housing, Yoke: Cast Iron.
Spring: Plated Steel.
Temperature Limit: 150°F (66°C).

Valves



Series
SAV

Angle Seat Valve

Low Cost, Compact Design, For Use With Gases and Liquids

DIMENSIONS

SIZE	A	B	C	D	Act. Dia.	Max. Press. (NC)	Max. Press. (NO)	Cv
1/2"	2.560	7.560	7.250	6.730	2.480	290	230	4.9
3/4"	2.950	7.800	7.560	6.930	2.480	290	230	9.1
1"	3.540	8.350	8.070	7.280	2.480	290	230	21.7
1-1/4"	4.330	8.860	8.540	7.600	2.480	230	230	31.5
1-1/2"	4.730	9.410	8.860	7.800	2.480	230	230	49
2"	5.910	10.120	9.840	8.500	3.540	215	230	60.1

Save space while maintaining flow rates with the compact Series SAV Angle Seat Valve. The pneumatic, externally piloted angle seat valve is operated by a single acting actuator with a mechanical spring for failsafe operation. Select from either normally closed (NC) or normally open (NO) configurations.

Constructed of investment case stainless steel and Teflon® seals, the Series SAV can be used in most gas, liquid, steam and corrosive applications. Integral heat sinks dissipate heat protecting the Polyamid actuator, ensuring longer life.

The Series SAV can be mounted in any position. For added flexibility, the actuator housing rotates 350 degrees for positioning of the pressure ports. Standard visual indicator shows open or closed position.

SPECIFICATIONS

Service: Compatible liquids and gases.
Body: AISI 316L SS.
Line Size: 1/2" to 2".
Pressure Limits: See dimensions table.

Maximum Steam Pressure: 150 psi.
Pilot Pressure: 22-150 psi.
Wetted Materials: Body Material: AISI 316L SS; Seat and Seal Material: PTFE.

STOCKED MODELS in bold

Size	Normally Closed	Normally Open
1/2"	SAV100-NC	SAV100-NO
3/4"	SAV101-NC	SAV101-NO
1"	SAV102-NC	SAV102-NO
1-1/4"	SAV103-NC	SAV103-NO
1-1/2"	SAV104-NC	SAV104-NO
2"	SAV105-NC	SAV105-NO