


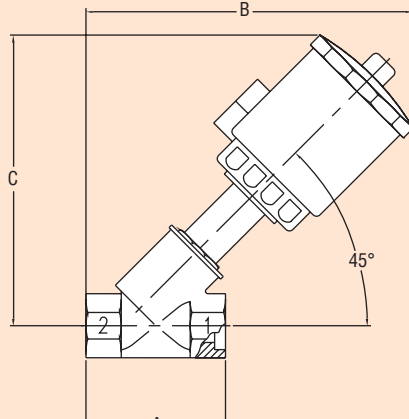


Series SAV-BT

Angle Seat Valve - Bronze NPT

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





Dimensions (in)

Port Connection	A (in)	B (in)	C (in)	Actuator Diameter (in)	NO CV	NC CV
1/2"	2.56	6.42	5.51	2.76	6.61	6.61
3/4"	2.95	6.81	5.79	2.76	12.18	12.18
1"	3.54	8.11	6.93	3.32	23.2	23.2
1-1/4"	4.33	10.04	8.66	3.32	33.06	33.64
1-1/2"	4.72	10.63	9.25	4.58	33.3	53.36
1-1/2"	4.72	12.05	10.67	4.58		53.94
2"	5.91	11.02	9.45	4.58		68.44
2"	5.91	12.44	10.87	5.54	53.94	77.72

Save space while maintaining flow rates with the compact Series SAV-BT 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. NO valves can be used to prevent waterhammer on valve closure in liquid applications.

Constructed of bronze, 316 SS, and PTFE seals, the Series SAV-BT can be used in most gas, liquid, and steam applications. Integral heat sinks dissipate heat protecting the Polyamide actuator, ensuring longer life.

The Series SAV-BT can be mounted in any position. For added flexibility, the actuator housing rotates 360 degrees for positioning of the pressure ports. Standard visual indicator shows open or closed position.

SPECIFICATIONS

VALVE BODY

Service: Gases and liquids compatible with wetted materials.

Wetted Materials: Valve body: Bronze; Plug and stem: AISI 316L SS; Stem O-ring: Fluoroelastomers; Seat and seal: PTFE.

Line Sizes: 1/2" to 2" NPT.

Pressure Limits: See table below.

Flow Leakage: Meets ANSI Class VI.

Temperature Limits: 14 to 358°F (-25 to 180°C).

ACTUATOR

Type: Piston/pneumatic spring.

Pilot Connections: NAMUR solenoid mounting pad.

Pilot Media: Air, water, inert gas.

Pressure Limits: See table below.

Temperature Limit: 185°F (85°C).

ACCESSORIES

A-538 1/8" BSP to 1/8" NPT adapter, for 1-3/4" dia. actuators

For Solenoid Valve see Series PV.

Port Connection	Actuator Diameter	Normally Closed	Normally Open
1/2 NPT	2.76"	SAV-BTA1-NC	SAV-BTA2-NO
3/4 NPT	2.76"	SAV-BTB1-NC	SAV-BTB2-NO
1 NPT	3.32"	SAV-BTC1-NC	SAV-BTC3-NO
1-1/4 NPT	3.32"	SAV-BTD3-NC	SAV-BTD3-NO
1-1/2 NPT	4.58"	SAV-BTE2-NC	
1-1/2 NPT	5.54"	SAV-BTE3-NC	SAV-BTE3-NO
2 NPT	4.58"	SAV-BTF2-NC	
2 NPT	5.54"	SAV-BTF3-NC	SAV-BTF3-NO

Line and Pilot Pressure Chart (psi)

Port Connection	Actuator Diameter	Normally Closed					Normally Open				
		Max Line Pres.	Max Steam Pres.	Flow Direction	Min Pilot Pres.	Max Pilot Pres.	Max Line Pres.	Max Steam Pres.	Flow Direction	Min Pilot Pres.	Max Pilot Pres.
1/2 NPT	2.76"	230	150	Overseat	60	143	230	150	Underseat	60	143
3/4 NPT	2.76"	230	150	Overseat	60	143	230	150	Underseat	60	143
1 NPT	3.32"	290	150	Overseat	60	143	230	150	Underseat	60	143
1-1/4 NPT	3.32"	230	150	Overseat	60	114	230	150	Underseat	60	114
1-1/2 NPT	4.58"	230	150	Overseat	60	114	230	150	Underseat	60	114
1-1/2 NPT	5.54"	230	150	Overseat	60	114	230	150	Underseat	60	114
2 NPT	4.58"	143	150	Overseat	60	114	230	150	Underseat	60	114
2 NPT	5.54"	232	150	Overseat	60	114	230	150	Underseat	60	114

VALVES

Valves, Angle Seat