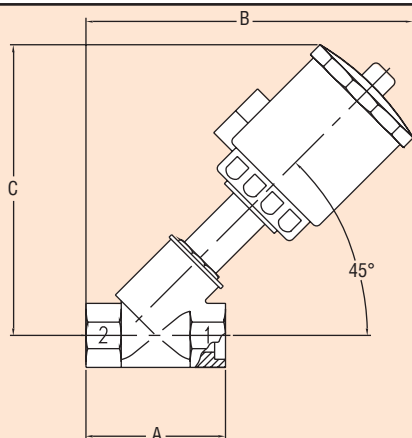




Series
SAV-BT

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.

| 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 |

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).

ACCESSORY

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

For Solenoid Valve see Series PV.

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 |