Valves, Angle Seat

**Valves, Angle Seat**

The pneumatic, externally piloted angle seat valve is operated by a single acting actuator with a mechanical spring for fail-safe operation. Select from either normally closed (NC) or normally open (NO) configurations. Bi-directional valves (normally closed) are designed for special applications that require flow in both directions and incorporate an anti-waterhammer design for liquid applications flowing under the seat. Normally open valves can also be used to prevent waterhammer on valve closure in liquid applications.

Constricted of investment case stainless steel and PTFE seals, the Series SAVSF can be used in most gas, liquid, steam and corrosive applications. Integral heat sinks dissipate heat protecting the Polyamide actuator, ensuring longer life.

The Series SAVSF 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.

**Series SAV-SF**

**Angle Seat Valve - Stainless Steel Flange**

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

Save space while maintaining flow rates with the compact Series SAVSF Angle Seat Valve. The pneumatically operated angle seat valve is operated by a single acting actuator with a mechanical spring for fail-safe operation. Select from either normally closed (NC) or normally open (NO) configurations. Bi-directional valves (normally closed) are designed for special applications that require flow in both directions and incorporate an anti-waterhammer design for liquid applications flowing under the seat. Normally open valves can also be used to prevent waterhammer on valve closure in liquid applications.

Constricted of investment case stainless steel and PTFE seals, the Series SAVSF can be used in most gas, liquid, steam and corrosive applications. Integral heat sinks dissipate heat protecting the Polyamide actuator, ensuring longer life.

The Series SAVSF 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: AISI 316L SS; Plug and stem: AISI 316L SS; Stem O-ring: Fluoroelastomers; Seat and seal: PTFE.

**Line Sizes:** 1/2” to 2”.

Pressure Limits: See table below.

Temperature Limits: 14 to 356°F (-10 to 180°C).

Flow Leakage: Meets ANSI Class VI.

Connections: ANSI 150# flange.

**ACTUATOR**

Type: Piston/pneumatic spring.

Pilot Connections: 1-3/4” dia. act.: 1/8” BSP; 2-1/2” dia. act.: 1/4” BSP; 3-9/16” dia. act.: 1/4” BSP.

Pilot Media: Air, water, inert gas.

Pressure Limits: See table below.

Temperature Limit: 140°F (60°C).

**ACCESSORIES**

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

A-539 1/4” BSP to 1/4” NPT adapter, for 2-1/2”, 3-9/16” dia. actuators

For Solenoid Valve see Series PV.