





SKU: EP5404

-  Angle Seat Piston Valve
-  Winkelsitzkolbenventil
-  Válvula de pistón de asiento angular
-  Soupape de piston de siège angulaire

Valves[™]
O N L I N E

Angle Seat Valve with Pneumatic Actuator

- 3/8" – 2½" Pneumatic Angle Seat Valve
- 3/8" – 2½" Pneumatisches Winkelsitzventil
- 3/8" – 2½" Válvula de asiento de ángulo neumático
- 3/8" – 2½" Soupape de siège d'angle pneumatique

Stainless Steel Piston Valve for Liquids, Gas and Steam



- Bi Directional
- Waterhammer - free
- Spring Close
- Screwed BSP
- All stainless steel
- Optical indicator
- Purpose specific pilot solenoid valve

Description:

A rugged engineered piston valve designed for performance and quality. Screwed BSP 2 way direct acting and suitable for pressures from vacuum up to 16 bar. Sizes range from 3/8" to 2½". Optical position indicator is fitted as standard. Mounting of the valve can be in any position and operates from a pilot pressure of 5-8 bar.

Proximity Switch and Pilot Solenoid Valve Options



Description

A stainless steel air operated angle seat or piston globe valve, suitable for on/off flow control in air, water, oil and steam applications. Suitable for temperatures up to 200°C. St St body, piston and actuator, PTFE Seals. Designed for unmatched cycle life offering superior performance and reliability.



Beschreibung

Ein luftbetriebenes Winkelsitz- oder Kolbenkolbenventil aus rostfreiem Stahl, geeignet für die Ein / Aus-Regelung in Luft-, Wasser-, Öl- und Dampfanwendungen. Geeignet für Temperaturen bis 200 ° C. St St Körper, Kolben und Antrieb, PTFE Dichtungen. Entworfen für unübertroffene Zykluslebensdauer, die überlegene Leistung und Zuverlässigkeit anbietet.







Descripción

Un asiento en ángulo de aire de acero inoxidable o válvula de globo de pistón, adecuado para el control de flujo on / off en aplicaciones de aire, agua, aceite y vapor. Adecuado para temperaturas de hasta 200°C. St St cuerpo, pistón y actuador, PTFE Sellos. Diseñado para una vida útil inigualable, ofreciendo un rendimiento y una fiabilidad superiores.



Description

Un siège en angle ou une soupape à piston à commande pneumatique en acier inoxydable, adapté au contrôle de débit marche / arrêt dans les applications d'air, d'eau, d'huile et de vapeur. Convient pour des températures allant jusqu'à 200°C. St St corps, piston et actionneur, PTFE Seals. Conçu pour une durée de vie du cycle inégalée offrant des performances et une fiabilité supérieures.

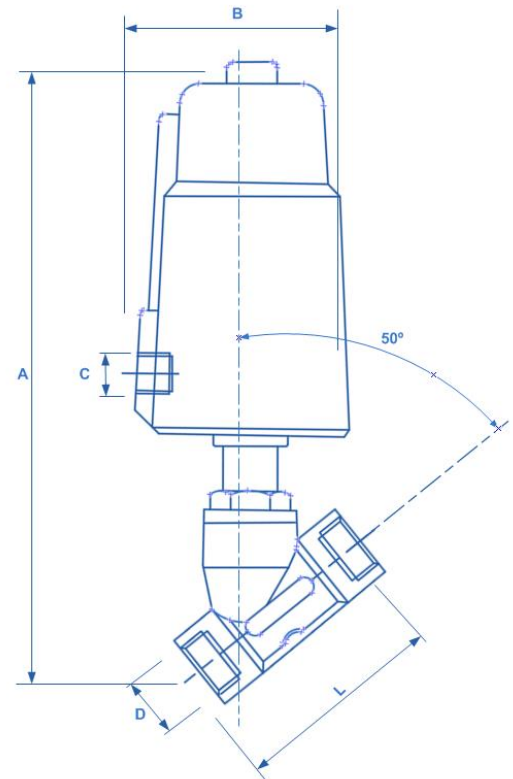
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Angle Seat Valve with Pneumatic Actuator

Dimensions						
DN	Port D	L	A	B	Pilot C	Act
10	3/8"	55	120	51	1/8"	40
15	1/2"	70	138	51	1/8"	40
20	3/4"	76	154	62	1/8"	50
25	1"	90	168	62	1/8"	50
32	1 1/4"	116	200	76	1/8"	63
40	1 1/2"	116	215	92	1/8"	80
50	2"	138	230	92	1/8"	80
65	2 1/2"	168	268	117	1/4"	100





Valve details							
Port BSP	Function	Orifice	Flow	Pressure (bar)			Actuator
			Kv Ltr/Min	Min	Steam 2 to 1 Over Seat	Liquid 1 to 2 Under Seat	
3/8"	55	120	51	1/8"	16	8	40
1/2"	70	138	51	1/8"	16	8	40
3/4"	76	154	62	1/8"	16	8	50
1"	90	168	62	1/8"	16	8	50
1 1/4"	116	200	76	1/8"	16	8	63
1 1/2"	116	215	92	1/8"	16	8	80
2"	138	230	92	1/8"	16	8	80
2 1/2"	168	268	117	1/4"	16	16	100

Standard Actuator Specification	
Media	: air, water, oil, steam
pressure range	: 0-16 Bar (see Chart)
Temperature	: -10°C to + 200°C
Ambient Temperature	: +5°C to + 60°C
Body material	: AISI 316 (CF8M) stainless steel
Seal Material	: Valve - PTFE - Actuator FKM
Actuator Material	: AISI 304 stainless steel (rotation 360°)
Control Medium	: Air 5 - 8 Bar Pilot
Flow direction	: Bi Directional (see details)
Port Connection	: pilot Port 1/8" for 3/8"-2" & 1/4" for 2 1/2"
safe position	: Normally Closed



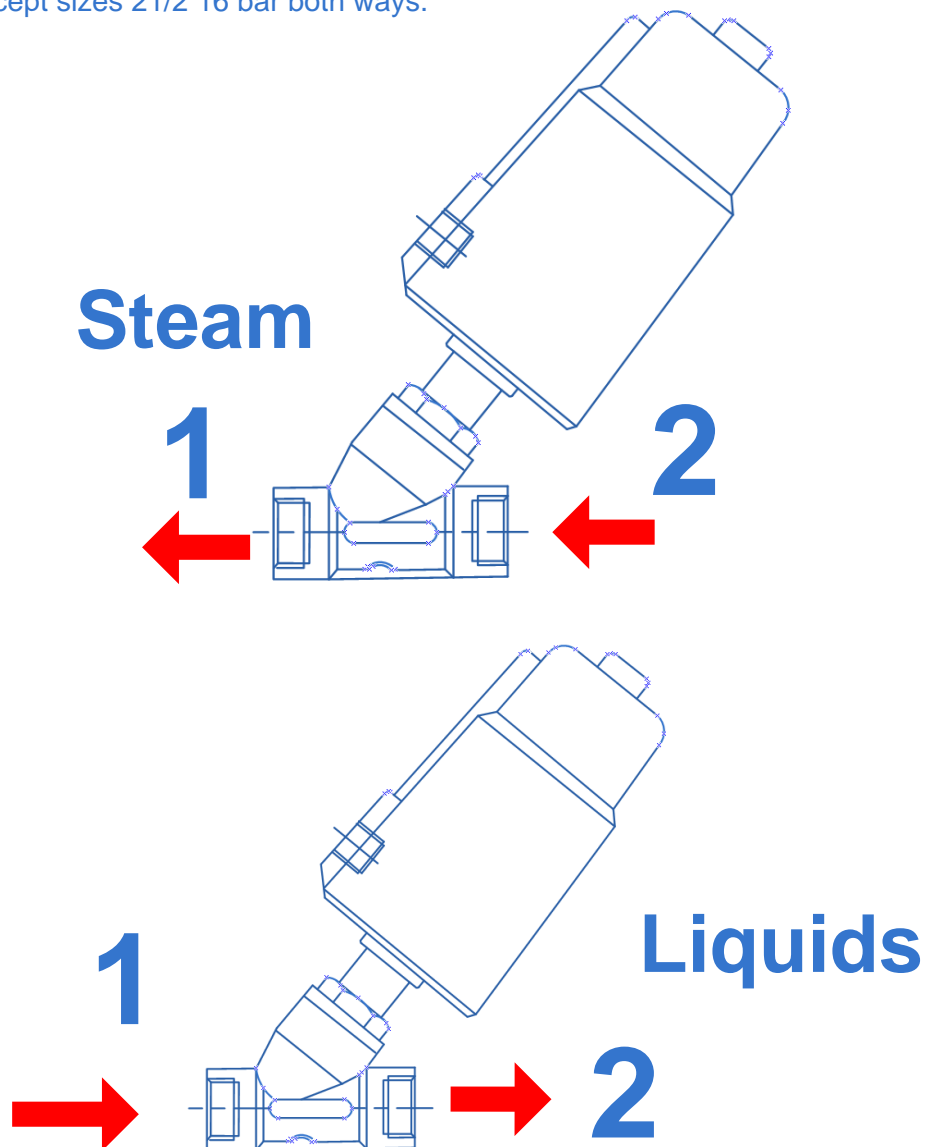
Options
Proximity Switch
Pilot Solenoid Valve







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Steam, gas or fluid +200C max
 Inlet 2 – outlet 1 is 8 bar (in flow arrow direction flow under seat with anti water hammer)
 Outlet 1 to inlet 2 is 16 bar (reverse flow direction (opposite flow arrow) flow over seat)
 Except sizes 21/2 16 bar both ways.



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OPTIONAL EXTRAS

Pilot Solenoid Valve



Type BP6012 is a special pilot valve designed for the direct attachment to externally piloted pneumatic actuators, such as the EP5404 angled seat piston valve. It's special Polyamide housing and nickel-plated brass banjo bolts make connection to the pilot air port of the actuator simple. Available in sizes 1/8" and 1/4" Pilot connection with 6mm push fit, G 1/8 and G 1/4 inlet connections.

The pilot valve has a manual override fitted as standard and can have either a standard or illuminated DIN plug. Voltages in 24 DC, 24 AC, 110 and 230 AC. Pressure range 0-10bar (recommend 5-8 bar for pilot air) with ambient temperatures of 55°C.



Proximity Switch



Open proximity switch that's easily fitted into the angle seat piston valve.