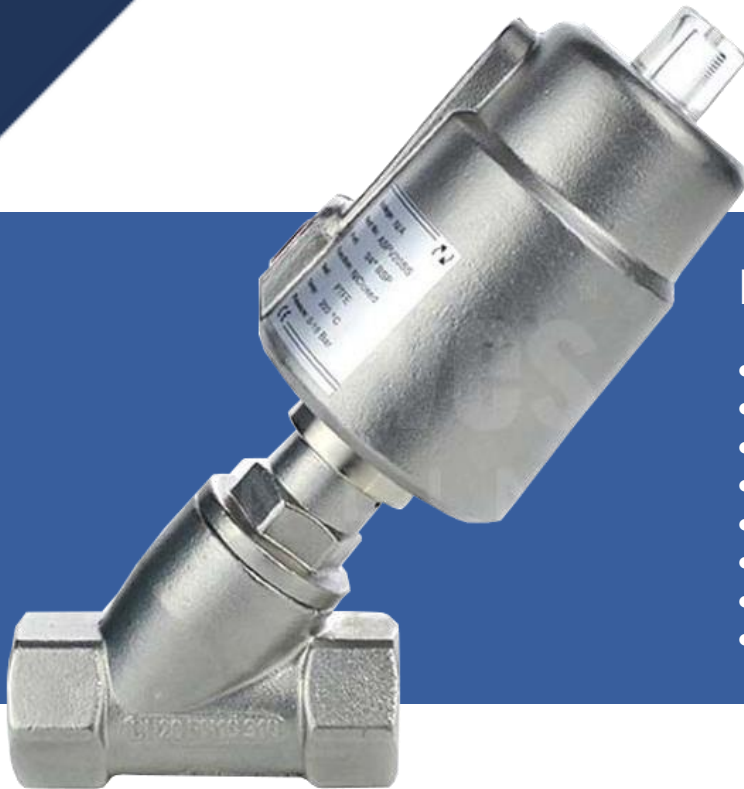




Pneumatic Angled Seat Vale

- All Stainless Steel
- NC & NO Versions
- Screwed BSP
- Optical Indication of Position
- Suitable for Vacuum to 16 Bar
- High Flow Rates
- Temperature up to 200° C
- Pneumatically Operated

> Description

A great alternative to pneumatically actuated ball valves. The angled seat valve or piston operated valve offers superb engineered isolation for many pipeline applications. The valve body is manufactured in AISI 316 (CF8M) stainless steel, screwed BSP and offered in sizes from 3/8" up to 2½". The actuator head is AISI 304 stainless steel and can rotate 360°. All internals within the body are 316 St.St with PTFE seats. The valve is used for on/off applications on air, water, oil and steam up to 16 bar.

In the normally closed function a strong spring located inside the actuator head, performs a tight shut off. When air (pilot air: min 5 bar-max 8 bar) is applied to the actuator, this compresses the spring forcing the piston up and allowing the valve to open. As soon as the air is removed the valve shuts off. Usually the valve is operated by means of a pilot solenoid valve, dedicated for remote switching. See pilot solenoids.

> On request

Proximity Switch and Pilot Solenoid Valve Options are available.



Description

The Volt angled seat valve is an extremely hard working, rugged, pneumatically operated isolation valve used on vacuum, air, water, oil and steam. Sizes range from 3/8" – 2½" and screwed BSP. Normally closed is the standard option however Normally open valves can be supplied. All stainless steel body and actuator with PTFE valve seats and FKM for the head. A cost effective solution to pipeline isolation.



Beschreibung

Das Volt-Schrägsitzventil ist ein äußerst widerstandsfähiges, robustes, pneumatisch betriebenes Absperrventil, das für Vakuum, Luft, Wasser, Öl und Dampf verwendet wird. Die Größen reichen von 3/8" – 2½" und BSP-Gewinde. Normal geschlossen ist die Standardoption, aber normal geöffnete Ventile können geliefert werden. Gehäuse und Antrieb komplett aus Edelstahl mit PTFE-Ventilsitzen und FKM für den Kopf. Eine kostengünstige Lösung für Rohrleitungen Isolation.



Descripción

La válvula de asiento angulado Volt es una válvula de aislamiento operada neumáticamente, robusta y extremadamente resistente que se utiliza en vacío, aire, agua, aceite y vapor. Los tamaños varían de 3/8" a 2½" y rosca BSP. Normalmente cerrada es la opción estándar, sin embargo, se pueden suministrar válvulas normalmente abiertas. Todo el cuerpo y actuador de acero inoxidable con asientos de válvula de PTFE y FKM para la cabeza. Una solución rentable para tuberías aislamiento.



Description

La vanne à siège incliné Volt est une vanne d'isolement extrêmement résistante, robuste et à commande pneumatique utilisée sur le vide, l'air, l'eau, l'huile et la vapeur. Les tailles vont de 3/8" à 2½" et BSP vissé. Normalement fermé est l'option standard, mais des vannes normalement ouvertes peuvent être fournies. Corps et actionneur entièrement en acier inoxydable avec sièges de vanne en PTFE et FKM pour la tête. isolation.

> **Stainless Steel Angled Seat Valve**

Dimensions

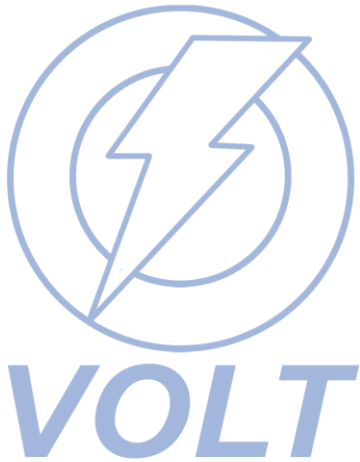
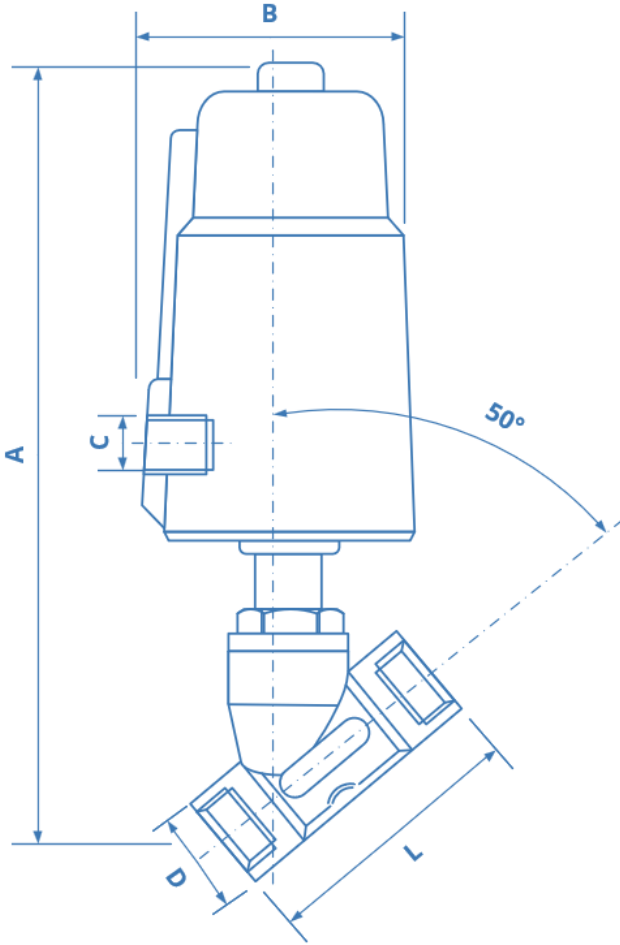
DN	Port D	L	A	B	Pilot C	Kg
10	3/8"	55	120	51	1/8"	1.1
15	1/2"	70	138	51	1/8"	1.1
20	3/4"	76	154	62	1/8"	1.3
25	1"	90	168	62	1/8"	1.7
32	1 1/4"	116	200	76	1/8"	3.1
40	1 1/2"	116	215	92	1/8"	3.9
50	2"	138	230	92	1/8"	4.8
65	2 1/2"	168	268	117	1/4"	9.3

Valve details

Port BSP	Function	Orifice	Flow	Pressure (bar)			Actuator
			Kv Ltr/Min	Min	2 to 1 Over Seat	1 to 2 Under Seat	
3/8"	N/Closed	10	75	0	16	8	40
1/2"	N/Closed	15	90	0	16	8	40
3/4"	N/Closed	20	167	0	16	8	50
1"	N/Closed	25	253	0	16	8	50
1 1/4"	N/Closed	32	383	0	16	8	63
1 1/2"	N/Closed	40	683	0	16	8	80
2"	N/Closed	50	1183	0	16	8	80
2 1/2"	N/Closed	65	1800	0	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

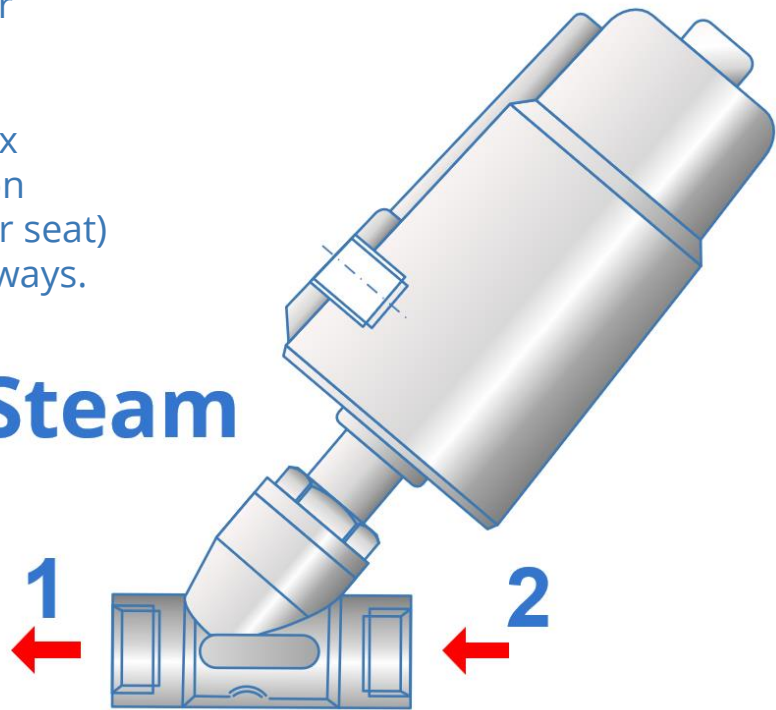


Steam, gas or fluid +200C max

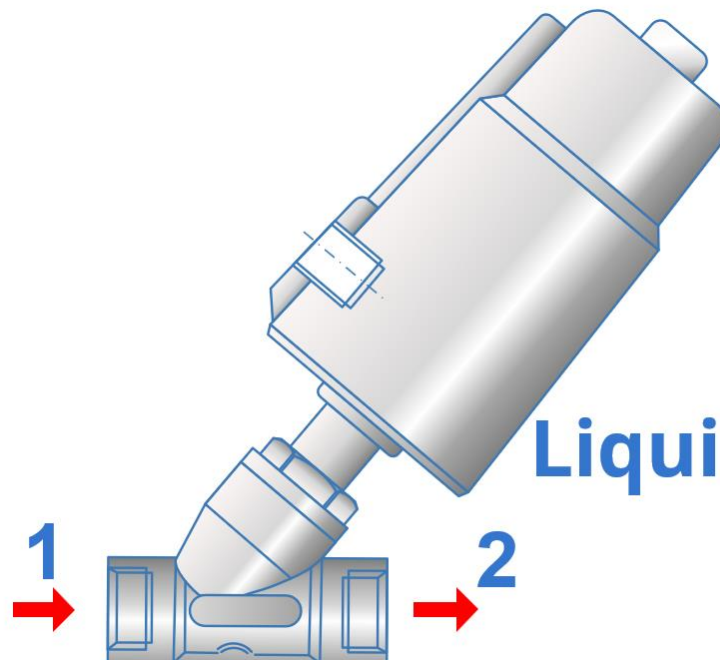
Inlet 2 – outlet 1 is 8 bar maximum line pressure (in flow arrow direction flow under seat with anti water hammer)

Outlet 1 to inlet 2 is 16 bar max pressure (reverse flow direction (opposite flow arrow) flow over seat)
Except sizes 2 1/2 16 bar both ways.

Steam



Liquids



OPTIONAL EXTRAS



Pilot Solenoid Valve



Type BP6012 is a special pilot solenoid 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.



Remote Signal of Position

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



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