PE4118

Economy 3 Way Pneumatic Actuated Stainless Steel Ball Valve ¼”-4"

- L or T Port Configuration
- Screwed BSPT Reduced Bore
- Double Acting or Spring Return
- RPTFE Seats
- 180 °C
- Up to 69 Bar
- ¼” - 4"

Description

The PE4118 is know for its reliability, strength and economy. A well proven Pneumatically actuated 3 way ball valve that comprises of a powerful HP pneumatic actuator and a direct mount 3 way ball valve in stainless steel. The actuator is offered in Double acting and Spring close / open versions, offering both reliability and economy. The ball valve is supplied in 316 stainless steel, it has a reduced bore and is screwed BSPT. The seats are RPTFE. The pneumatic actuator has been sized with a 30% safety factor and has a Namur interface that accommodates a switchbox or solenoid.
Typical Applications for this unit includes automatic diverting of clean liquids and gases.
Modular program for mounting of quarter turn valves such as ball valves and butterfly valves NAMUR and ISO 5211 interfaces

Description

A directly mountable 3-way ball valve made of stainless steel with an L or T configuration. The valve is mounted on a powerful pneumatic actuator, which is offered as a double-acting and spring return function. The device offers high performance, reliability and economy. Screwed BSPT with seats in RPTFE, temperature 180 ° C

Beschreibung

Ein direkt montierbarer 3-Wege-Kugelhahn aus Edelstahl mit L- oder T-Konfiguration. Das Ventil ist an einem leistungsstarken pneumatischen Stellantrieb montiert, der als doppeltwirkende und Federrückstellfunktion angeboten wird. Das Gerät bietet hohe Leistung, Zuverlässigkeit und Wirtschaftlichkeit. Geschraubtes BSPT mit Sitzen in RPTFE, Temperatur 180 ° C.

Descripción

Una válvula de bola de 3 vías de montaje directo fabricada en acero inoxidable con configuración L o T. La válvula está montada en un potente actuador neumático, que se ofrece como función de doble acción y retorno por resorte. El dispositivo ofrece alto rendimiento, confiabilidad y economía. BSPT atornillado con asientos en RPTFE, temperatura 180 ° C

Description

Un robinet à boisseau sphérique à 3 voies à montage direct en acier inoxydable avec une configuration en L ou en T. La vanne est montée sur un puissant actionneur pneumatique, qui est proposé en tant que fonction à double effet et à ressort de rappel. L'appareil offre des performances, une fiabilité et une économie élevées. BSPT vissé avec sièges en RPTFE, température 180 ° C

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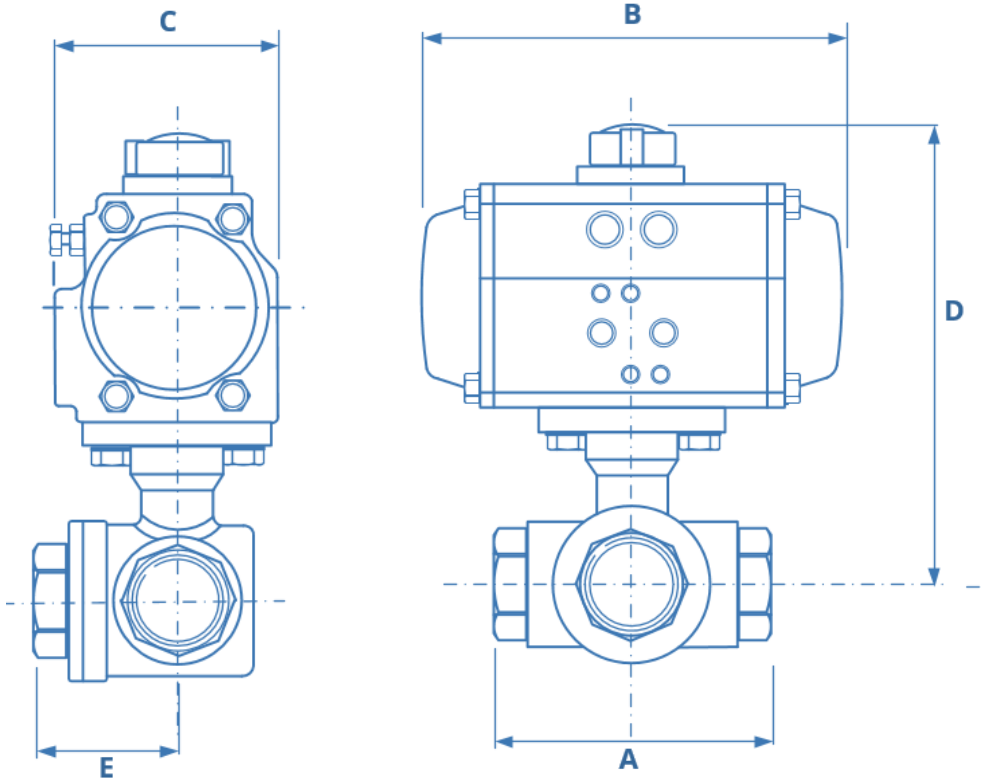
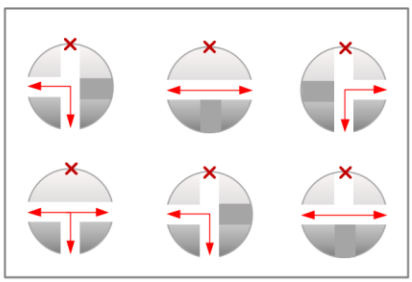


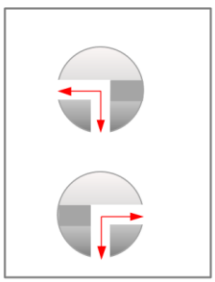
Dimensions						
Valve	Spring Return	A	B	C	D	E
1/4"	HP50S	75	144	72	129.8	37.5
1/2"	HP50S	75	144	75	129.8	37.5
3/4"	HP63S	85	163	85	148.2	42.5
1"	HP66S	100	202	85	153.5	50
11/4"	HP75S	122	210	96	180	61
11/2"	HP88S	131	247	108	196	65.5
2"	HP100S	158	268	123	218.5	79
21/2"	HP100S	178	268	123	243.5	89
3"	HP115S	202	316	141	272	101
4	HP125S	246	347	151	298	123

Dimensions						
Valve	Double Acting	A	B	C	D	E
1/4"	HP50D	75	144	72	129.8	37.5
1/2"	HP50D	75	144	72	129.8	37.5
3/4"	HP50D	85	144	72	129.8	42.5
1"	HP63D	100	163	85	148.2	50
11/4"	HP63D	122	163	85	153.5	61
11/2"	HP66D	131	202	85	167	65.5
2"	HP75D	158	210	96	194.5	79
21/2"	HP88D	178	247	108	231.5	89
3"	HP100D	202	268	123	254	101
4	HP115D	246	316	141	285	123

T PORT



L PORT



FLOW PATHS

Pressure / Temperature Ratings	
Pressure	1/4" - 1"1000 PSI / PN63 11/4" - 4" 800 PSI
Temperature	-20°C to 200°C

Includes 30% Safety Factor

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Valves Technical and Parts List	
Part Name	Material
Body	ASTM A351Gr. CF8M
Cap	ASTM A351Gr. CF8M
Ball	SUS316
Stem	SUS316
Stem Nut	SUS304
Stem Washer	SUS304
Seat	R-PTFE (15%)
Gland Bush	SUS304
Stem Packing	PTFE
Specification	
Medium Pressure	1/4"-1" 1000 PSI, 11/4"-4" 800 PSI
Port Connection	1/4" to 4" L or T Flow
Medium Temperature	— 20°C to + 200°C
Port	Reduced Bore
Thread	BSP Taper (ISO 7/1)

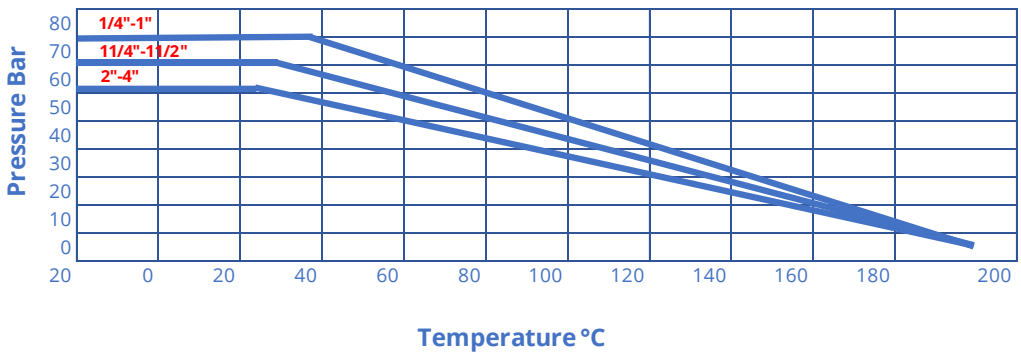
Pneumatic Actuator can be fitted with a Namur pilot solenoid valve or open / close switchbox

Technical - Actuator	
Body material	Hard anodised extruded aluminium alloy
End Caps	Die cast aluminium epoxy coated
Spring	High tensile steel
Indicator	Open/Closed
Pinion shaft	Alloy steel nickle plated
Pinion Guides	Self Lubricating Polypropylene + GF
Piston seals	NBR steel
Specification	
Pressure range	10 Bar
Double acting	2.5 Bar - 8 Bar
Single acting - Open or Close	2.5 Bar - 8 Bar
Temperture range	minus 20°C - 80°C
Movement	90 Degree adjustable -5-+5 Degree
Lubrication	All moving parts are lubricated
Cycle Life	1,000,000 operations
Approvals	ATEX, CE, PED

Switch Box
(gives open and closed indication, both optical and remote electrical switching)

Namur Solenoid Valve
(Offers a local pilot air switching, dedicated to one actuator)

Pressure / Temperature



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