

PE4327

Valves
ONLINE



Description

A combination of A fully lugged and tapped WRAS Approved butterfly valve with EPDM liner and stainless steel disc. Body epoxy coated ductile iron and suitable to fit between PN16 flanges. The valve is fitted onto a pneumatic spring return or double acting actuator. This combination offers both reliability with economy. The range of pneumatic actuators are manufactured from aluminium and have a hard anodised finish. Position indicator, end of stroke adjustment ($\pm 5^\circ$) and Namur interface are fitted as standard.

The valve and actuator fit directly onto each other, (valve has an ISO mounting pad) so no mounting kits are required, thus making the package more compact and cost effective. This valve is commonly used in end of line applications or fitted between/ before a pump for maintenance isolation.

The PE4327 is in a modular program range of pneumatic operated quarter turn valves, designed to overcome automated process solutions, affordably and reliable.

NAMUR and ISO 5211 interfaces

Position feedback and pilot solenoids.



All information is sourced from our manufacturer's data and is intended for guidance only - Valves Online can accept no liability for changes, omissions or errors.

Lugged Pattern Economy Pneumatic Actuated Butterfly Valve

- Fully Lugged and Tapped
- Suitable for PN16 Flanges
- WRAS Approved
- Stainless Steel Disc, EPDM Liner
- Spring Close or Double Acting Actuator
- Options for Pilot Solenoid & Switchbox



Description

A strong efficient pneumatic actuated butterfly valve. Lugged and Tapped and suitable for fitting between PN16 flanges. Valve has a soft EPDM seat and stainless steel disc and shaft. Actuator supplied in single and double acting Versions and has interface for fitting solenoid and switchbox. Actuator fitted with position indicator and end stops as standard and is directly mounted onto the valve.



Beschreibung

Eine starke, effiziente pneumatisch betätigte Absperrklappe. Geschlossen und mit Gewinde versehen und geeignet für die Montage zwischen PN16-Flanschen. Das Ventil hat einen weichen EPDM-Sitz und eine Edelstahlscheibe und -welle. Stellantrieb wird in einfach- und doppeltwirkender Ausführung geliefert und verfügt über eine Schnittstelle zum Anbringen von Magnetspule und Schaltkasten. Antrieb serienmäßig mit Stellungsanzeige und Endanschlägen ausgestattet und direkt auf das Ventil montiert.



Descripción

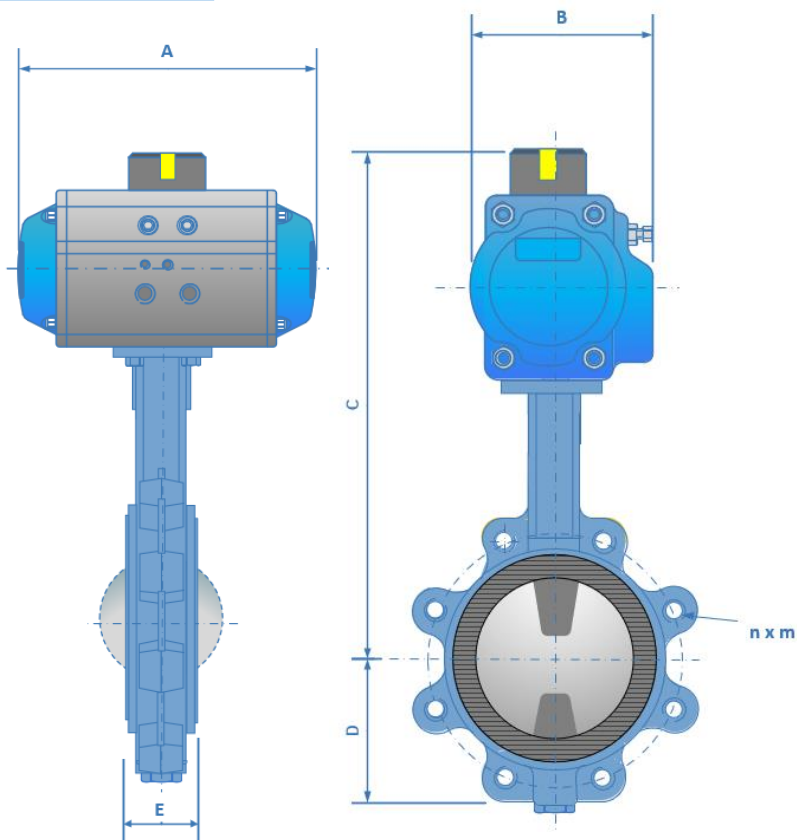
Una válvula de mariposa de accionamiento neumático potente y eficaz. Con orejas y roscas y adecuado para encajar entre bridas PN16. La válvula tiene un asiento de EPDM blando y un disco y eje de acero inoxidable. El actuador se suministra en versiones de acción simple y doble y tiene una interfaz para instalar solenoide y caja de interruptores. Actuador equipado con indicador de posición y topes de serie y montado directamente en la válvula.



Description

Une vanne papillon à commande pneumatique efficace et puissante. A ergots et taraudés et adaptés au montage entre les brides PN16. La vanne a un siège en EPDM souple et un disque et un arbre en acier inoxydable. Actionneur fourni en versions simple et double effet et dispose d'une interface pour le montage de l'électrovanne et du coffret électrique. Actionneur équipé en standard d'un indicateur de position et de butées de fin de course et se monte directement sur la vanne.

PE4327



PE4327 offers reliability, repeatability and outstanding performance, for all your simple process automation needs.
Need more information?
Contact our technical sales team.

DOUBLE ACTING - DIMENSIONS

VALVE	ACTUATOR	A	B	C	D	E	n x m	Weight Kg
1" (25mm)	AT50D	146	70.5	197	51	33	4 x M12	3.7
1 1/2" (32mm)	AT50D	146	70.5	209	63	33	4 x M16	3.4
2" (50mm)	AT63D	163	83.5	237	63	43	4 x M16	4.82
2 1/2" (65MM)	AT63D	163	83.5	248	69	46	4 x M16	5.72
3" (80mm)	AT75D	214	94	278	78	46	8 x M16	8.15
4" (100mm)	AT75D	214	94	198	106	52	8 x M16	9.45
5" (125mm)	AT88D	252	105	321	115	56	8 x M16	13.4
6" (150mm)	AT100D	270	120	353	128	56	8 x M20	16
8" (200mm)	AT125D	354	147.5	423	160	60	12 x M20	31.1
10" (250mm)	AT145D	418	167	480	190	68	12 x M24	47.46
12" (300mm)	AT160D	450	193	528	235	78	12 x M24	61.05

SPRING RETURN - DIMENSIONS

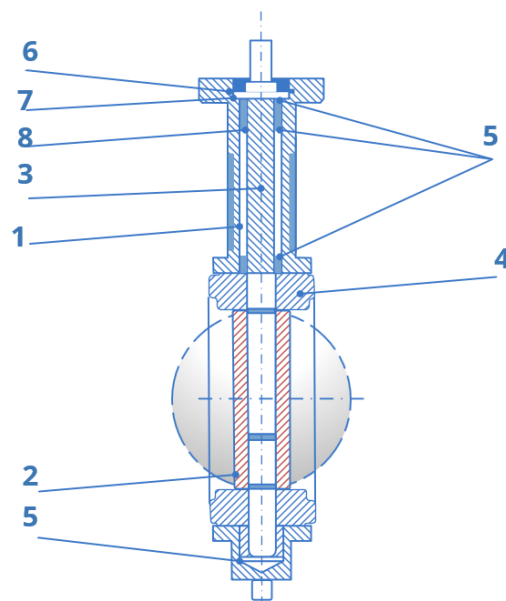
VALVE	ACTUATOR	A	B	C	D	E	n x m	Weight Kg
1" (25mm)	AT50S	146	70.5	197	51	33	4 x M12	3.75
1 1/2" (32mm)	AT63S	163	83.5	227	63	33	4 x M16	4.1
2" (50mm)	AT75S	214	94	254	62	43	4 x M16	6.35
2 1/2" (65MM)	AT75S	214	94	264	69	46	4 x M16	7.25
3" (80mm)	AT88S	252	105	291	78	46	8 x M16	9.8
4" (100mm)	AT88S	252	105	311	106	52	8 x M16	11.1
5" (125mm)	AT100S	270	120	333	115	56	8 x M16	15.55
6" (150mm)	AT100S	270	120	353	128	56	8 x M20	16.75
8" (200mm)	AT125S	354	147.5	423	160	60	12 x M20	33.1
10" (250mm)	AT145S	418	167	480	190	68	12 x M24	49.9
12" (300mm)	AT160S	450	193	528	235	78	12 x M24	65.65

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- This robust and dependable valve has a Stainless Steel 316 Disc and EPDM Liner.
- Used in water distribution and supply. It has main European approvals and can be found in water treatment being suitable for most fluids of general service.

Material List

1	Body	Epoxy Coated Ductile Iron
2	Disc	Stainless Steel
3	Liner	EPDM, NBR, FKM, PTFE
4	Shaft	Stainless Steel
5	Bushing	PTFE
6	Washer	Galvanised Carbon Steel
7	Circlip ISO 3075	Steel
8	O-Ring	Viton
9	Lever	Aluminium up to 6" Ductile Iron 8" & Above
10	Bolts	Galvanised Carbon Steel



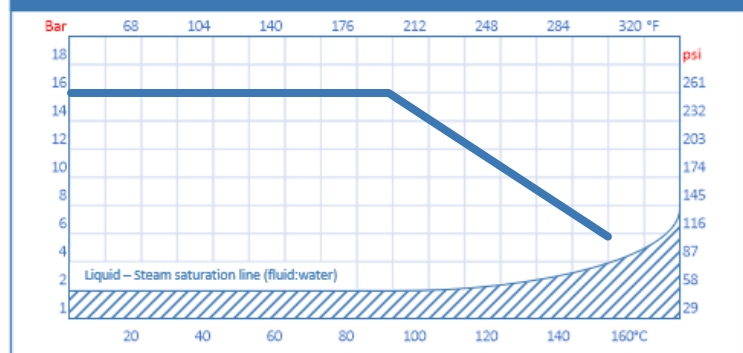
Pressure / Temperature

Pressure	1" - 16" - PN16
	18" - 24" - PN10
Temperature	EPDM -10°C to 120°C This Product is WRAS Approved 1" - 16" Only
Other Liners Available Non WRAS	NBR -10°C to 80°C
	FKM (Viton) -10°C to 120°C
	PTFE -10°C to 120°C

KV Rates

Opening	10	20	30	40	50	60	70	80	90
1"									
1 1/2"	0.04	2.1	4.8	10	19	30	48	73	79
2"	0.05	2.6	6	13	23	38	60	91	99
2 1/2"	0.09	3.8	14	33	53	75	98	108	108
3"	0.17	7.8	16	34	60	100	158	237	261
4"	0.26	15	31	67	120	199	314	471	518
5"	0.43	25	53	115	205	339	535	803	883
6"	0.69	39	82	177	316	522	817	1241	1364
8"	2.6	52	142	250	450	713	1122	1723	2716
10"	2.6	130	276	599	1068	1768	2798	4196	4611
12"	3.5	202	427	926	1650	2730	4322	6483	7124
14"	5.2	292	617	1376	2384	3945	6243	9364	10291
16"	6.9	401	849	1839	3279	5425	8585	12878	14152
18"	9.5	531	1124	2437	4342	7185	11371	17057	18743
20"	12	683	1445	3133	5609	9238	14620	21930	24099
24"	19	1055	2234	4840	8626	14272	22587	33882	37232

Pressure / Temperature Chart



Note: Do not use when temperature and pressure are below the liquid saturation line (hatched area)

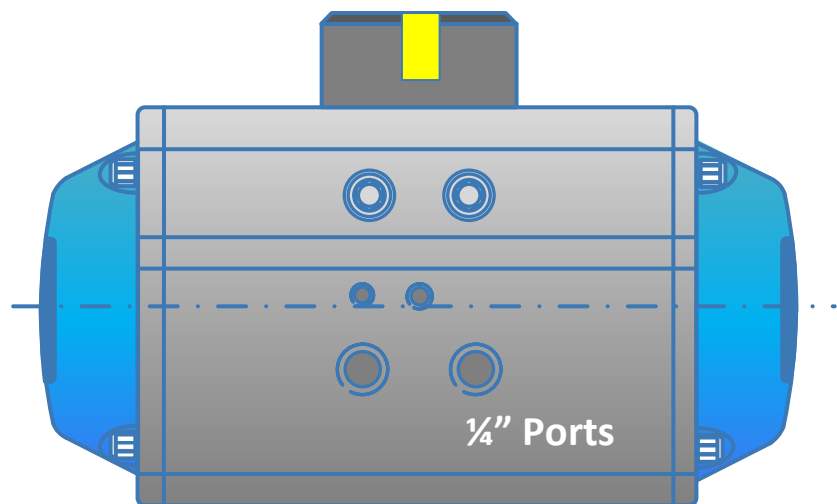
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Technical - Actuator

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	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



Port connections are 1/4" BSP

Pilot air should be clean filtered air- sized on 5.5 Bar.

For more information please refer to data sheet.

The PE4327 is a modular design and allows pilot solenoids and position feedback switchboxes to be fitted with ease, allowing simple automation.

For more information on automation and control of your process pipelines please see our blogs and online tuition videos.

Pilot Solenoid

Part Number AP9026



Electric Feedback Signal

Part Number VO210