



Pneumatic Actuated Uni-directional Knife Gate Valve in Stainless Steel

- European Manufacture
- Size Range DN50 – DN300
- Standard flange connection: EN1092 PN10
- CF8M Stainless Steel Body, 316 St. St. Gate
- EPDM Seats NBR Option
- Low pressure loss
- Double Acting Cylinder
- Wafer Pattern

DESCRIPTION

A Uni-directional Pneumatically Operated Stainless Steel Knife Gate Valve. Body in CF8M St. St. with a 316 St. St. gate, seat EPDM as standard but NBR option at same cost. Other options include, Metal, FKM, Silicone. The valve is manufactured in Europe and is fitted with Pneumatic Double Acting Actuator. Sizes ranging from DN50 - DN300 and are suitable to fit between PN10/16 flanges. Synthetic and PTFE packing with Toric ring. Blue epoxy coated paint as standard and fitted with side protection plates for safety. Temperature range: Up to 120°C (EPDM seats) and up to 200°C (Metal Seats). Pressure rating: 10 Bar 2" to 10", 6 Bar 12". Used for water (not Potable and not WRAS Approved) in water treatment, food, chemical and pulp industries.

- **Optional extras:**
- Limit Switch fitted
- Pilot Solenoids fitted

Typical applications include:

water treatment, cement industry, bulk handling and food industries.



Description

A Stainless steel Pneumatic operated knife gate valve in CF8M with 316 stainless steel gate. EPDM (standard) NBR or Metal seat options. Manufactured following European Pressure Equipment Directive PED 97/23/CE. This valve is suitable for demanding applications and offers long life with reliability.



Beschreibung

Pneumatisch betätigter Messerschieber aus Edelstahl in CF8M mit Edelstahlschieber 316. EPDM (Standard) NBR oder Metall Sitzoptionen. Hergestellt gemäß der europäischen Druckgeräterichtlinie PED 97/23 / CE. Dieses Ventil ist für anspruchsvolle Anwendungen geeignet und bietet eine lange Lebensdauer mit Zuverlässigkeit.



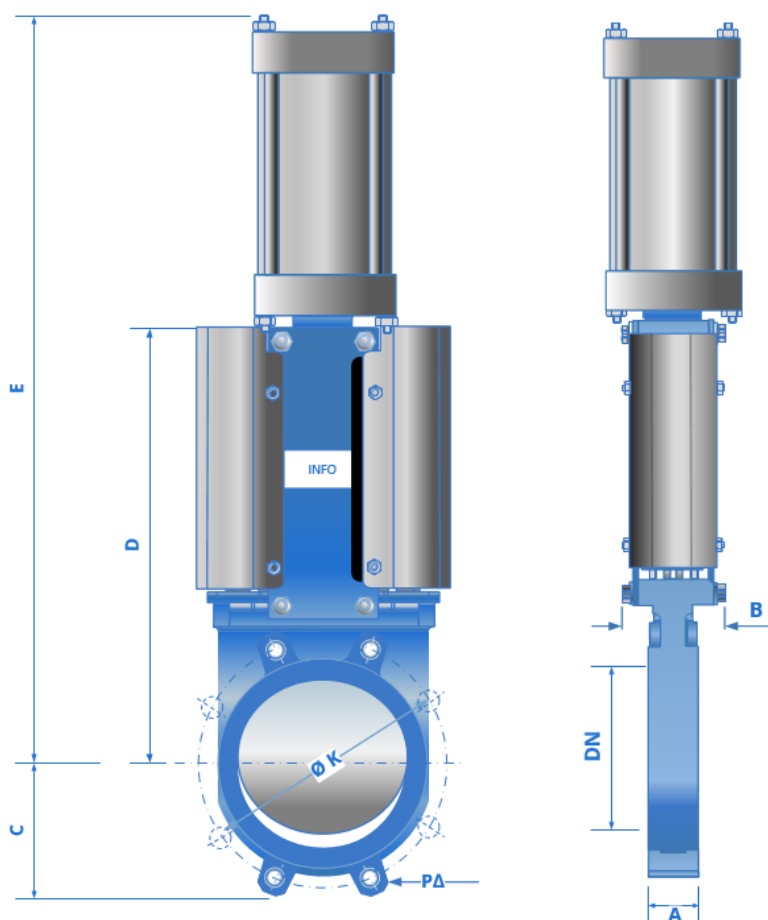
Descripción

Una válvula de guillotina de acero inoxidable operada neumáticamente en CF8M con compuerta de acero inoxidable 316. EPDM (estándar) NBR o opciones de asiento de metal. Fabricado siguiendo la directiva europea de equipos a presión PED 97/23 / CE. Esta válvula es adecuada para aplicaciones exigentes y ofrece una larga vida útil con fiabilidad.



Description

A Vanne à guillotine pneumatique en acier inoxydable en CF8M avec vanne en acier inoxydable 316. Options de siège en EPDM (standard) NBR ou métal. Fabriqué conformément à la directive européenne sur les équipements sous pression PED 97/23 / CE. Cette vanne convient aux applications exigeantes et offre une longue durée de vie avec fiabilité.



SERIES 200 EA Pneumatic Actuated Uni-Directional

European manufacture in accordance with the European Pressure Directive PED 97/23/CE. Standard Seat EPDM

ACCESSORIES

Pilot Solenoid Valve
Inductive Proximity Switches
Mechanical Limit Switches
Stops Mechanical

SV7094 Namur Solenoid Valve for Safe Area 5/2 Solenoid Valve 24 DC, AC 115 AC, 230V AC
SV7094EX Namur Solenoid Valve for ATEX II 2 Area: 24V DC Rated to II2G ExmbIIc Gb IP67 T3

Double Acting – Spring Close on Request
Recommended Air Supply 5 – 6Bar

Dimensions and Weights

Size DN	Inches	A	B	C	D	E	ØJ	Ø Cylinder	Air Inlet	KG St. St.
50	2"	40	90	65	240	410	105	80	1/4"	7.5
65	2 1/2"	40	90	71	267	456	105	80	1/4"	8.5
80	3"	50	90	92	292	495	105	80	1/4"	10
100	4"	50	90	106	338	560	124	100	1/4"	13
125	5"	50	90	121	367	629	147	125	1/4"	16
150	6"	60	90	135	417	705	147	125	1/4"	20.5
200	8"	60	120	160	525	870	182	160	1/4"	34.5
250	10"	70	120	200	622	1035	229	200	1/4"	52.5
300	12"	70	120	232	722	1185	229	200	1/4"	66.5

Flanges drilled according to EN 1092-2 and DIN 2501 : ISO PN10

Maximum working pressure	Standard testing pressure (EN 12266-1):
DN50 - DN250 10 Bar	DN50 - DN250 : 11 Bar
DN300 - DN400 6Bar	DN300 - DN400 : 6.6Bar
DN450 - DN600 4Bar	DN450 - DN600 4.4Bar

FLANGE NOTE

Up to size 150mm, PN10 and PN16 drilling arrangement is the same. From 200mm (8") and above you would need to specify requirement for PN10 (standard) or PN16 Flanges (extra cost) as they are different.

Roller Limit Switches :
Set of 2 for Pneumatic Actuated Knife Gate



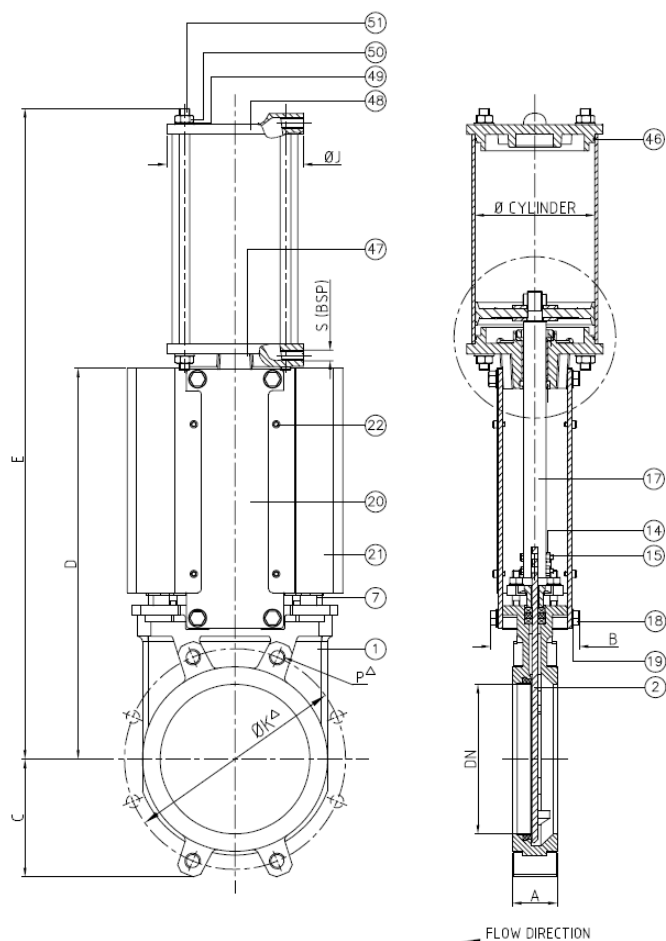
Position Detectors :
Inductive Proximity switches
Set of 2 x 18mm Omron E2A-M18KS08-WP-B1-2M (3 wire PNP NO 24VDC)



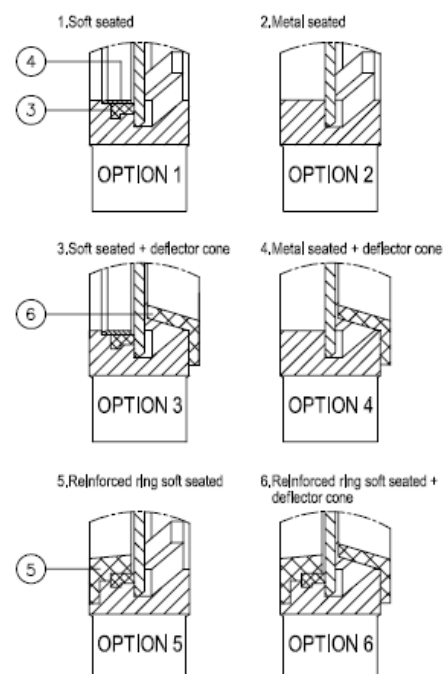
TEMPERATURES

NBR	-10°C/+80°C
EPDM	-10°C/+120°C
Metal	-10°C/+200°C

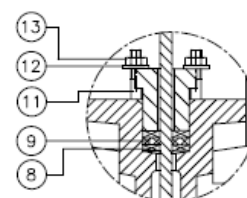
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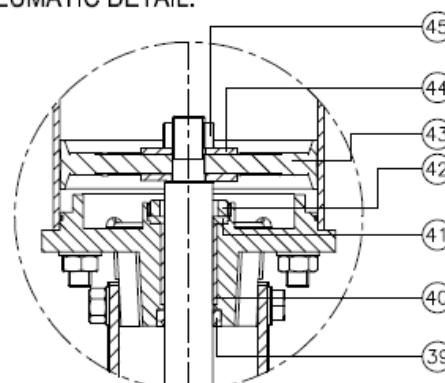
SEAT OPTIONS:



PACKING DETAIL:



PNEUMATIC DETAIL:



Item	Description	Material
1	Body	CF8M (AISI316)
2	Gate	AISI316L
3	Seat	EPDM/NBR
4	Sealing Ring	AISI316
5	Reinforced Ring 8	CF8M (AISI316)
6	Deflector Cone 15	CF8M (AISI316)
7	Packing Gland	CF8M (AISI316)
8	Packing	SYNT/PTFE
9	Packing O Ring	EPDM/NBR
11	Stud	A2
12	Washer	A2
13	Nut	A2
14	Union Nut Spindle-Gate	A2
15	Union Bolt Spindle -Gate	A2
17	Stem	AISI303
18	Bolt	A2
19	Washer	A2
20	Support Plate	Steel
21	Protection Guard	AISI304L
22	Protection Bolt	A2
39	Pneumatic Scraper	NBR
40	Pneumatic Gasket	Bronze
41	Pneumatic Sealing Ring	NBR
42	Pneumatic sealing Gln	AISI303/304
43	Piston Rod	NBR
44	Pneumatic washer (Piston)	Steel
45	Pneumatic Nut (Piston)	Steel
46	Pneumatic Sealing O Ring	NBR
47	Pneumatic Lower Cap	Aluminium
48	Pneumatic Upper Cap	Aluminium
49	Pneumatic washer (Rods)	Steel
50	Pneumatic Nut (Rods)	Steel
51	Pneumatic Tie Rods	Steel

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