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KNIFE GATE VALVE WITH DOUBLE ACTING PNEUMATIC ACTUATOR

VG 6400CA-03



Tecofi'
VALVE DESIGNER - FRANCE

APPLICATION

General use : water, water treatment, waste water, chemical industry (powdery or crystallizing products), pulverized products, pneumatic transport.

GENERAL CHARACTERISTICS

range: from DN 50 up to DN 300.

Function ON/OFF or regulation.

Wafer threaded mounting ISO PN10.

Unidirectional tightness, direction indication thanks to the arrow on the body.

Small retention zone: the gate is guided in the body and has little clearance.

Gland assembly: FPM Vitton® packing and O-ring (same material as seat joint) to assure the elasticity and decrease the operating force. Small head loss.

Stainless steel (A2-70) bolts and nuts.

CONSTRUCTION

11	2	Protection plate	Stainless steel 304	DIN : X5CrNi 18-10 ASTM : AISI 304 BS : 304 S15
10	1	O-ring	FPM Vitton®	
9	1	Support ring	Stainless steel 316	DIN : X5CrNiMo18 10 ASTM : A 182 AIS 3 16 BS : 316 S16
8	1	Gasket	FPM Vitton®	
7	1	Packing gland	Stainless steel	DIN : G-X6CrNiMo18 10 ASTM : A 351 Grade CF8M BS : 316 C16
6	1	Pneumatic actuator	Aluminium	
5	2	Support plate	Stainless steel	ASTM : AISI 304
4	1	Stem	Stainless steel 13%Cr	ASTM : AISI 410
3	1	Knife gate	Stainless steel X5CrNiMo 17-12-2	DIN : X5CrNiMo18 10 ASTM : A 182 AIS 3 16 BS : 316 S16
2	2	Packing	PTFE	
1	1	Body	Stainless steel GX5CrNiMo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A 351 Grade CF8M BS : 316 C16
Pos.	Qty.	Description	Material	

DIMENSIONS

DN		A	B	C	D	Ø F	Ø P	H	Ø K	n	Ø M	Weight (kg)
mm	inch											
50	2"	40	240	124	83	1/4"	80	412	125	4	4-M16	7,5
65	2 1/2"	40	265	139	83	1/4"	80	458	145	4	4-M16	7,8
80	3"	50	290	154	83	1/4"	80	502	160	8	4-M16	8,4
100	4"	50	335	174	83	1/4"	100	562	180	8	4-M16	12,5
125	5"	50	373	189	93	1/4"	125	642	210	8	4-M16	16,4
150	6"	60	424	220	93	1/4"	125	718	240	8	4-M20	20,5
200	8"	60	533	275	108	1/4"	160	882	295	8	4-M20	35,8
250	10"	70	625	326	108	1/4"	200	1044	350	12	8-M20	52,0
300	12"	70	732	380	108	1/4"	200	1164	400	12	8-M20	72,0

WORKING CONDITIONS

Maximum working pressure : DN 50-250 : 10 bar
DN 300 : 7 bar

Maximum temperature : -20°C / +50°C

Peak temperature : -40°C / +80°C

STANDARDS

Manufacture according to the requirements of the European directive 2014/68/UE «Equipments under pressure» : category III modulate H.

On request : Product in accordance to european directive

"Potentially explosive atmospheres" N° 94/9/EC :

ATEX II 2 GD c and ATEX II 3 GD c.

Test procedures are established according to standard

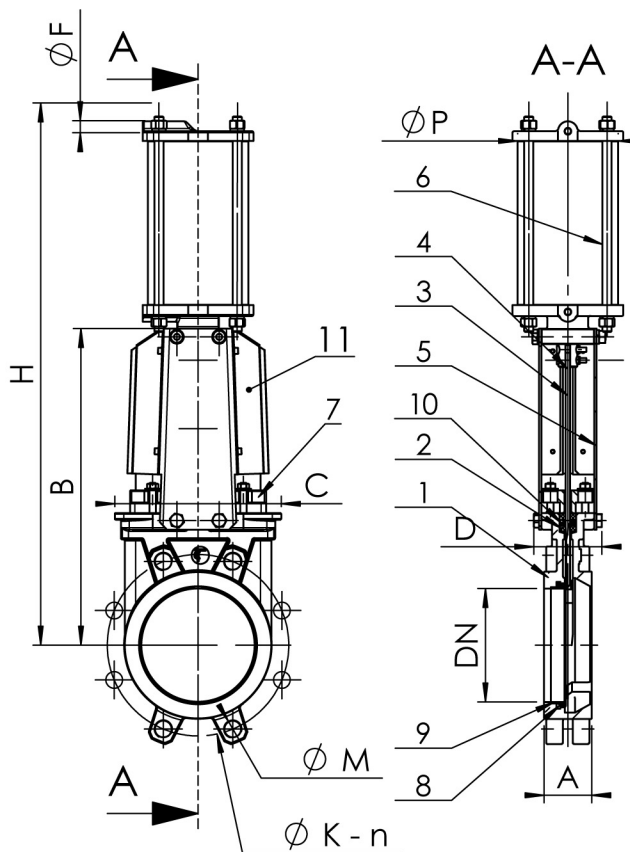
EN 12266-1, DIN 3230, BS 5154 and ISO 5208.

Connections according to standard EN 1092-1 and

DIN 2501 : ISO PN10.

In accordance with standard EN 14432.

EN 14 432



FPM tightness

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