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KNIFE GATE VALVE WITH DOUBLE ACTING PNEUMATIC ACTUATOR AND EMERGENCY HANDWHEEL

VG 6400-031



APPLICATION

General use : Pulp production, water, water treatment, waste water, chemical industry (powdery or crystallizing products), wine-producing, pulverized products (cement work, pneumatic transport, stocking).

GENERAL CHARACTERISTICS

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: packing and O-ring (same material as seat joint) to assure the elasticity and decrease the operating force.
Small head loss. Possibility to regulate thick fluids the adaptation of a diaphragm ring .

CONSTRUCTION

13	1	Handwheel	Cast iron
12	2	Support plate	Steel
11	2	Protection plate	Stainless steel 304
10	1	O-ring	EPDM
9**	1	Support ring	Stainless steel 316
8**	1	Gasket	EPDM
7	1	Packing gland	Stainless steel
6	1	Pneumatic actuator	Aluminium
5*	2	Support plate	Steel + epoxy
4	1	Stem	Stainless steel 13%Cr
3	1	Knife gate	Stainless steel X5CrNiMo 17-12-2
2	2	Packing	PTFE
1	1	Body	Stainless steel GX5CrNiMo 19-11-2
Pos.	Qty	Description	Material

* Pre-shaped parts up to DN 300.
** Missing parts on metal / metal tightness.

DIMENSIONS

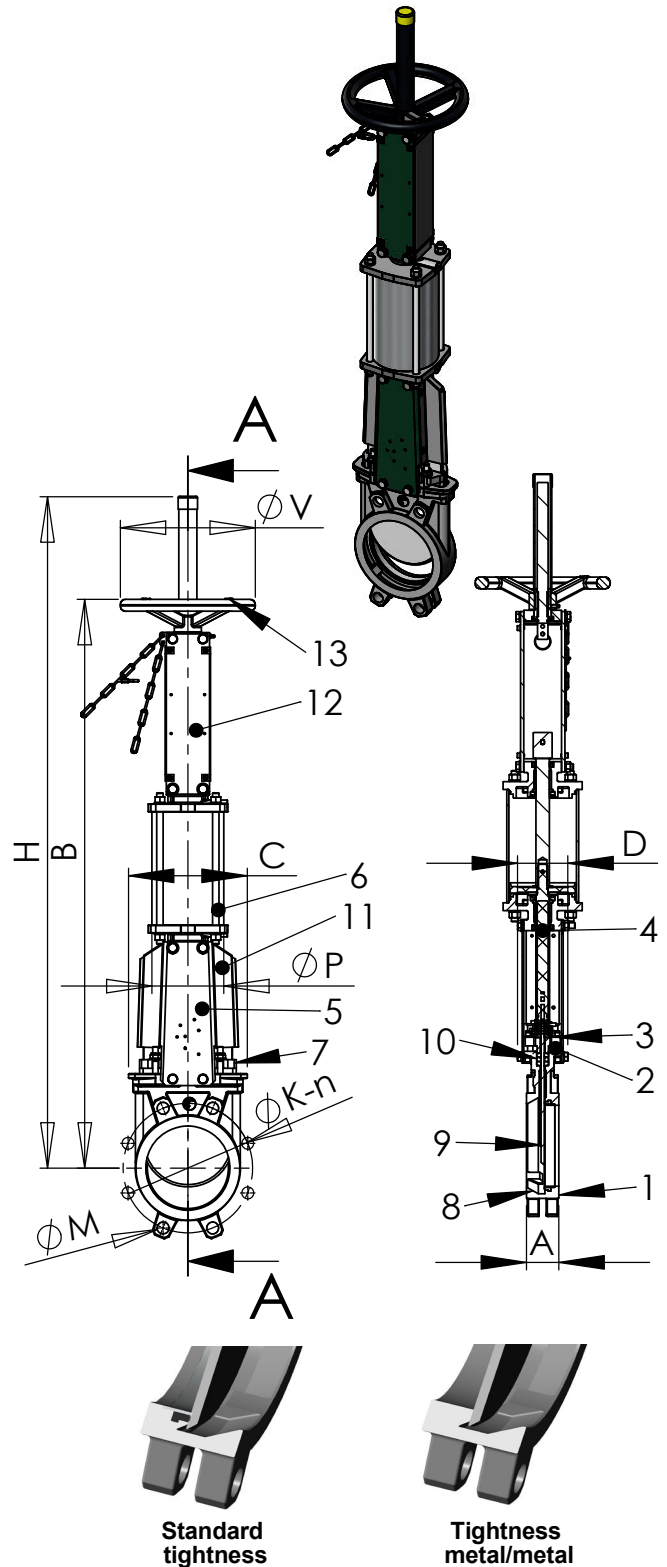
DN		A	B	C	D	ØV	ØP	H	ØK	n	ØM	Weight (Kg)
mm	Inch											
50	2"	40	590	124	83	200	80	655	125	4	4-M16	10
65	2 1/2"	40	651	139	83	200	80	731	145	4	4-M16	11
80	3"	50	711	154	83	200	80	791	160	8	4-M16	12
100	4"	50	800	174	83	200	100	910	180	8	4-M16	15
125	5"	50	915	189	93	250	125	1056	210	8	4-M16	21
150	6"	60	1017	220	93	250	125	1178	240	8	4-M20	27
200	8"	60	1270	275	108	310	160	1486	295	8	4-M20	45
250	10"	70	1479	326	108	310	200	1740	350	12	8-M20	69
300	12"	70	1656	380	108	310	200	1982	400	12	8-M20	89
350	14"	96	1923	438	290	500	250	2305	460	16	10-M20	153
400	16"	100	2128	494	290	500	250	2591	515	16	10-M24	166
450	18"	106	2348	547	290	500	250	2830	565	20	14-M24	212
500	20"	110	2570	613	290	500	300	3164	620	20	14-M24	251
600	24"	110	2973	716	290	500	300	3615	725	20	14-M27	300

WORKING CONDITIONS

Maximum working pressure : DN 50-250 : 10 bar
 DN 300-450 : 7 bar
 DN 500-600 : 4 bar
 Maximum temperature : -10°C / +130°C

Others materials on request (If marked)	Maximum temperature	
Metal / metal	T max : -10°C / +130°C.	<input type="checkbox"/>
NBR	T max : -10°C / +80°C.	<input type="checkbox"/>
White EPDM	T max : -10°C / +130°C.	<input type="checkbox"/>
Silicone	T max : -10°C / +170°C.	<input type="checkbox"/>
FPM (Type Viton®)	T max : -10°C / +170°C.	<input type="checkbox"/>
PTFE***	T max : +4°C / +170°C.	<input type="checkbox"/>
CSM (Type Hypalon®)	T max : +4°C / +80°C.	<input type="checkbox"/>

*** Minimum working pressure : 1 bar



STANDARDS

Manufacture according to the requirements of the European directive 2014/68/UE «Equipments under pressure» : modulate H. (DN50 - 600)
 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 1092-2 and DIN 2501 : ISO PN10.

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