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KNIFE GATE VALVE WITH HANDWHEEL

VG 6400-001



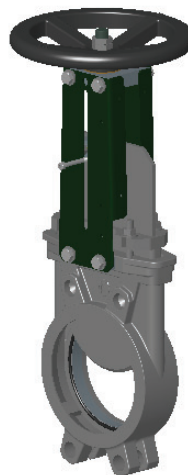
ROBINETTERIE INDUSTRIELLE ET ACCESSOIRES
INDUSTRIAL VALVES AND ACCESSORIES

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 torque.
Small head loss.
Possibility to regulate thick fluids the adaptation of a diaphragm ring .



Standard tightness

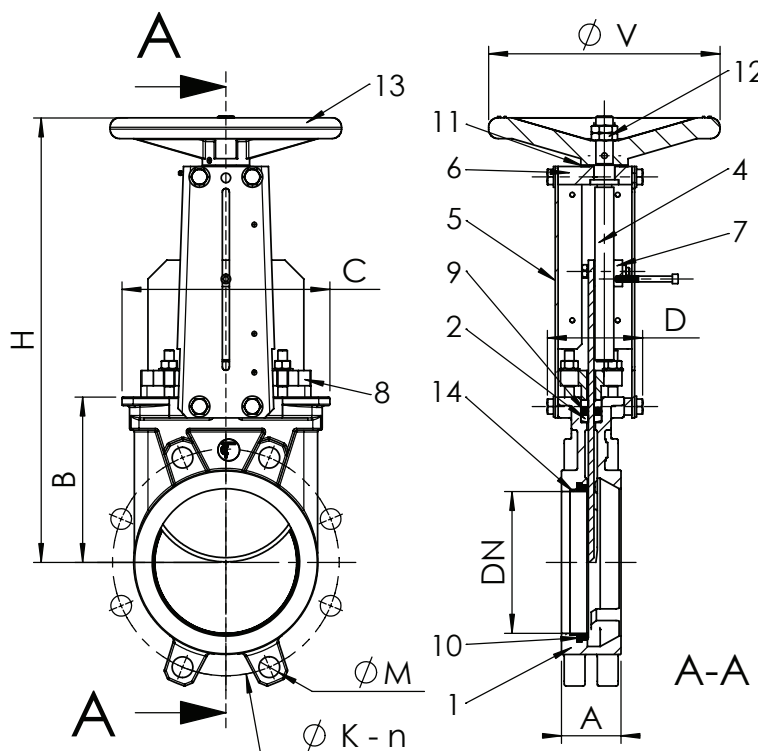


Tightness metal/metal

CONSTRUCTION

14	1	Support ring	Stainless steel 316	DIN : X5CrNiMo18 10 ASTM : A 182 AISI 316 BS : 316 S16
13	1	Handwheel	Cast iron	DIN : GG25 ASTM : A 48 class 40B BS : 1452 grade 250
12	2	Nut	Stainless steel	
11	1	Friction washer	Bronze	
10	1	Gasket	EPDM	
9	1	O-ring	EPDM	
8	1	Packing gland	CF8M	
7	1	Nut	Bronze	
6	1	Nut support	Zinc steel	
5*	2	Support plate	Steel + epoxy	
4	1	Stem	Stainless steel 13%Cr	
3	1	Knife gate	X5CrNiMo 17-12-2	DIN : X5CrNiMo18 10 ASTM : A 182 AISI 316 BS : 1449-2 316 S16
2	2	Packing	Tallowed cotton	
1	1	Body	GX5CrNiMo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A 351 grade CF8M BS : 316 C16
Pos.	Qty.	Description	Material	

* Pre-shaped parts up to DN 300.



DIMENSIONS

DN		A	B	C	D	Ø V	H	Ø K	n	Ø M	Weight (kg)
mm	inch										
50	2"	40	105	124	94	200	291	125	4	4-M16	8
65	2 1/2"	40	115	139	94	200	318	145	4	4-M16	10
80	3"	50	124	154	94	200	342	160	8	4-M16	11
100	4"	50	140	174	94	200	383	180	8	4-M16	12
125	5"	50	150	189	100	250	420	210	8	4-M16	17
150	6"	60	175	220	101	250	471	240	8	4-M20	21
200	8"	60	205	275	124	310	577	295	8	4-M20	38
250	10"	70	250	326	126	310	677	350	12	8-M20	52
300	12"	70	300	380	128	310	777	400	12	8-M20	63
350	14"	96	339	438	290	500	939	460	16	10-M20	115
400	16"	100	392	494	290	500	1037	515	16	10-M24	145
450	18"	106	434	547	290	500	1125	565	20	14-M24	186
500	20"	110	487	613	290	500	1237	620	20	14-M24	221
600	24"	110	592	716	290	500	1432	725	20	14-M27	265
700	28"	110	690	835	400	800	1640	840	24	16-M27	430
800	32"	110	795	972	400	800	1840	950	24	16-M30	590
900	36"	110	900	1041	400	800	2080	1050	28	20-M30	735

WORKING CONDITIONS

Maximum working pressure : DN 50-250 : 10 bar
 DN 300-450 : 7 bar
 DN 500-600 : 4 bar
 DN 700-900 : 2 bar

Maximum temperature : +4°C / +110°C (standard tightness).
 Maximum temperature : +4°C / +200°C (metal-metal tightness).

STANDARDS

Manufacture according to the requirements of the European directive 97/23/CE «Equipments under pressure» : fluids category III modulate H.
 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.