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KNIFE GATE VALVE WITH GEAR BOX

VG 4400-08



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 materials as seat joint) to assure the elasticity and decrease the operating torque.
Small head loss. Possibility to regulate thick fluids with the adaptation of a diaphragm ring.



CONSTRUCTION

15**	1	Support ring	Stainless steel 316	
14	1	Handwheel	Cast iron	
13	1	Gear box	Cast iron	
12	1	Protection tube	Steel	
11	1	Cap	Plastic	
10**	1	Gasket	Nitril	
9	1	O-Ring	Nitril	
8	1	Packing gland	Ductile iron GGG40	
7	1	Support	Stainless steel	
6	1	Nut support	Zinc steel	
5*	2	Support plate	Steel + epoxy	
4	1	Stem	Stainless steel 13%Cr	
3	1	Gate	Stainless steel X5CrNi 18-10	DIN: X5CrNi18 10 ASTM: A 182 AISI 304 BS: 1449-2 304 S15
2	2	Packing	Acrylic fiber	
1	1	Corps / Body	Ductile iron EN-GJS-500-7	DIN: GGG 50 : ASTM: A536 65-70-50-05 BS: 1563 EN-JS1050
Pos.	Qty.	Description	Material	

* Pre-shaped parts up to DN300.
** Missing parts on metal / metal tightness.

DIMENSIONS

DN		A	B	C	D	E	ØV	H	ØK	n	ØM	Poids (Kg)
mm	inch											
200	8"	60	533	275	108	659	300	941	295	8	4-M20	50
250	10"	70	625	326	108	751	300	1078	350	12	8-M20	64
300	12"	70	732	380	108	858	300	1250	400	12	8-M20	75
350	14"	96	835	438	290	961	400	1403	460	16	10-M20	127
400	16"	100	945	494	290	1073	400	1594	515	16	10-M24	159
450	18"	106	1040	547	290	1168	400	1708	565	20	14-M24	198
500	20"	110	1150	613	290	1278	400	1930	620	20	14-M24	233
600	24"	110	1354	716	290	1482	400	2182	725	20	14-M27	277

WORKING CONDITIONS

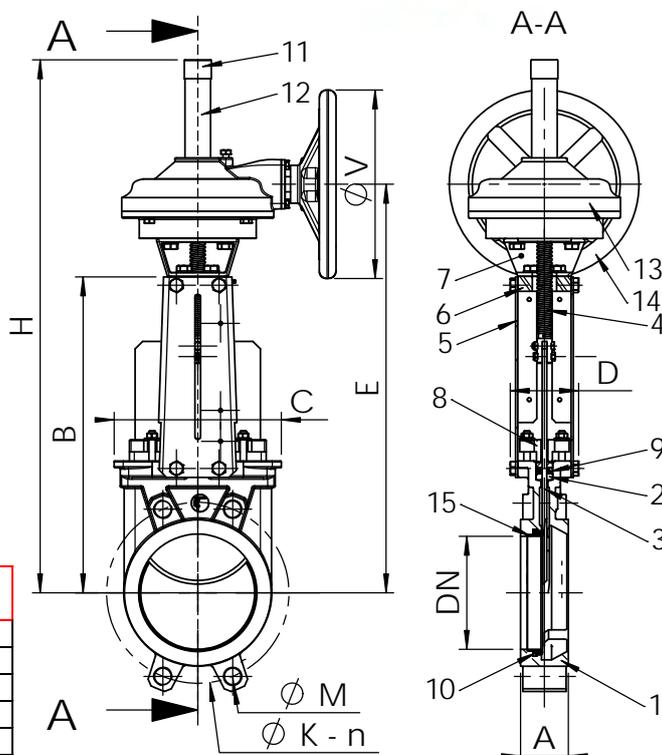
Maximum working pressure : DN 200-250 : 10 bar.
DN 300-450 : 7 bar.
DN 500-600 : 4 bar.

Maximum temperature : -10°C / + 80°C.

Others materials on request (If marked)	Maximum temperature	
Metal / metal	T max : -10°C / +80°C.	<input type="checkbox"/>
White NBR	T max : -10°C / +80°C.	<input type="checkbox"/>
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"/>

STANDARDS

Manufacture according to the requirements of the European directive 97/23/CE «Equipments under pressure» : modulate H.
Test procedures are established according to standards EN 12266-1, DIN 3230, BS 5154 and ISO 5208.
Connections between flanges according to standard EN 1092-2 and DIN 2501 ISO PN10.



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