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# KNIFE GATE VALVE WITH GEAR BOX

## VG 6400-08



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 .

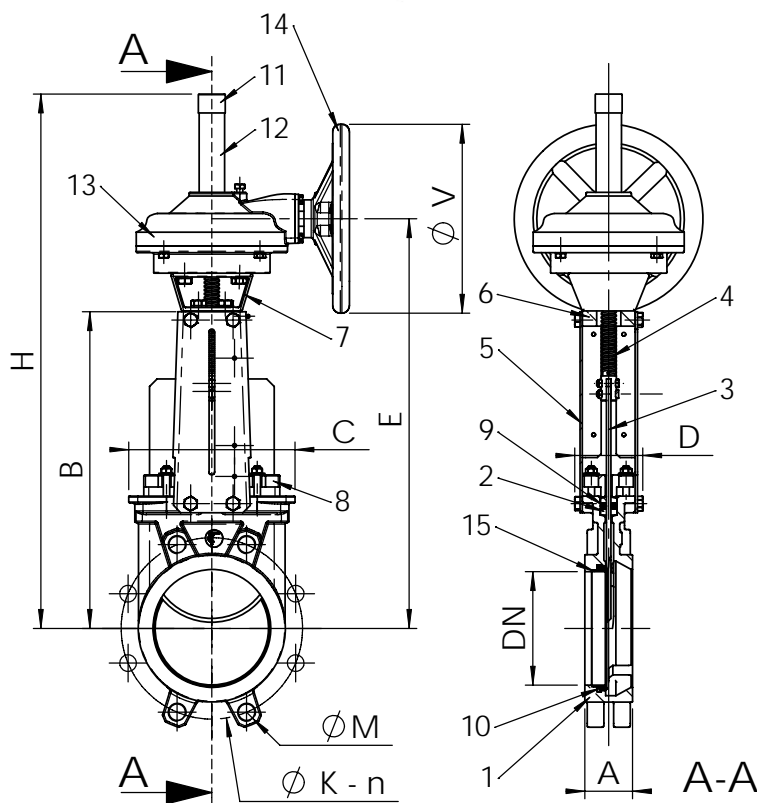
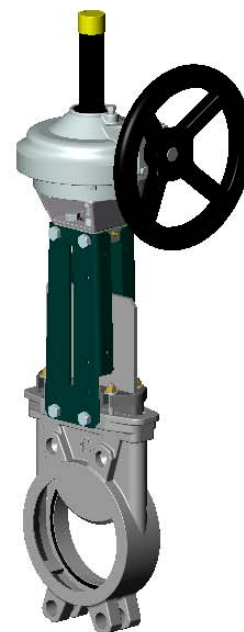
### CONSTRUCTION

15	1	Support ring	Stainless steel 316	DIN : X5CrNiMo18 10 ASTM : A 182 AIS 3 16 BS : 316 S16
14	1	Handwheel	Cast iron	
13	1	Gear box	Cast iron	
12	1	Protection tube	Steel	
11	1	Cap	Plastic	
10	1	Gasket	EPDM	
9	1	O-ring	EPDM	
8	1	Packing gland	Stainless steel	
7	1	Support	Stainless steel	
6	1	Nut support	Zinc steel	
5*	2	Support plate	Steel + epoxy	
4	1	Stern	Stainless steel 13%Cr	
3	1	Knife gate	Stainless steel X5 Cr Ni Mo 17-12-2	DIN : X5CrNi 18-10 ASTM : AISI 304 BS : 304 S15
2	2	Packing	PTFE	
1	1	Body	Stainless steel GX5 Cr Ni Mo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A 351 Grade CF8M BS : 316 C16
Pos.	Qty.	Description	Material	

### DIMENSIONS

\*Pre-shaped parts up to ND 300.  
\*\* Missing parts on metal-metal tightness.

DN		A	B	C	D	E	ØV	H	ØK	n	ØM	Weight (Kg)
mm	inch											
400	16"	100	945	494	290	1073	500	1594	515	16	10-M24	159
450	18"	106	1040	547	290	1168	500	1708	565	20	14-M24	198
500	20"	110	1150	613	290	1278	500	1930	620	20	14-M24	233
600	24"	110	1354	716	290	1482	800	2182	725	20	14-M27	277
700	28"	110	1540	835	400	1668	800	2488	840	24	16-M27	456
800	32"	110	1750	972	400	1878	800	2818	950	24	16-M30	612
900	36"	110	1990	1041	400	2118	800	3238	1050	28	20-M30	657
1000	40"	110	2195	1152	450	2323	800	3563	1160	28	20-M33	917
1200	48"	120	2390	1255	450	2518	960	4018	1380	32	22-M36	1260



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ISO 9001 : 2000

Certifié par



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### WORKING CONDITIONS

Maximum working pressure : DN 400-450 : 7 bar  
DN 500-600 : 4 bar  
DN 700-1200 : 2 bar

Maximum temperature : -20°C / +130°C (standard tightness)

Others materials on request (if marked)	Maximum temperature	
Metal / metal	T max : -10°C / +200°C.	<input type="checkbox"/>
NBR	T max : -10°C / +80°C.	<input type="checkbox"/>
White EPDM	T max : -20°C / +130°C.	<input type="checkbox"/>
Silicone	T max : -20°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"/>



Standard tightness



Tightness metal/metal

### 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 1092-2 and DIN 2501 : ISO PN10.