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# KNIFE GATE VALVE WITH DOUBLE ACTING PNEUMATIC ACTUATOR

## VG 6400-03



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



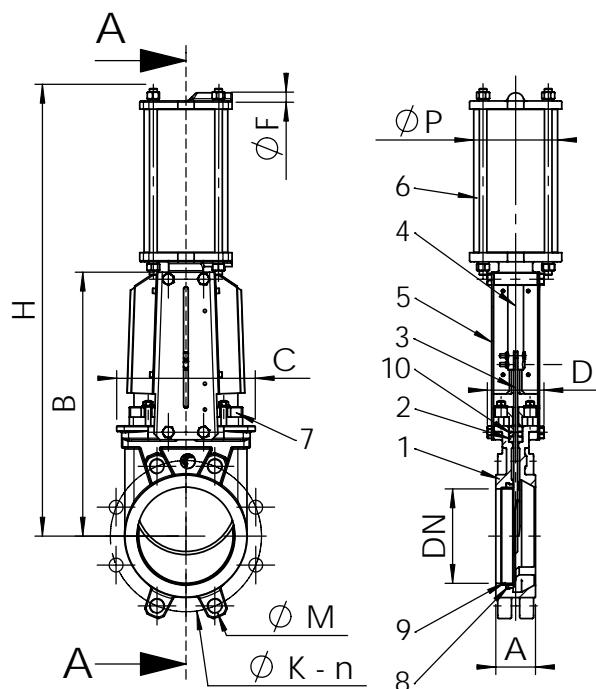
### CONSTRUCTION

11	2	Protection plate	Stainless steel 304	DIN : X5CrNi 18-10 ASTM : AISI 304 BS : 304 S15
10	1	O-ring	EPDM	
9**	1	Support ring	Stainless steel 316	DIN : X5CrNiMo18 10 ASTM : A 182 AIS 3 16 BS : 316 S16
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	DIN : X5CrNi 18-10 ASTM : AISI 304 BS : 304 S15
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	

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

### 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	¼"	80	412	125	4	4-M16	7,5
65	2½"	40	265	139	83	¼"	80	458	145	4	4-M16	7,8
80	3"	50	290	154	83	¼"	80	502	160	8	4-M16	8,4
100	4"	50	335	174	83	¼"	100	562	180	8	4-M16	12,5
125	5"	50	373	189	93	¼"	125	642	210	8	4-M16	16,4
150	6"	60	424	220	93	¼"	125	718	240	8	4-M20	20,5
200	8"	60	533	275	108	¼"	160	882	295	8	4-M20	35,8
250	10"	70	625	326	108	¼"	200	1044	350	12	8-M20	52,0
300	12"	70	732	380	108	¼"	200	1164	400	12	8-M20	72,0
350	14"	96	835	438	290	3/8"	250	1362	460	16	10-M20	129,0
400	16"	100	945	494	290	3/8"	250	1542	515	16	10-M24	144,0
450	18"	106	1040	547	290	½"	250	1677	565	20	14-M24	177,0
500	20"	110	1150	613	290	½"	382	1839	620	20	14-M24	260,0
600	24"	110	1354	716	290	½"	382	2145	725	20	14-M27	341,0
700	28"	110	1540	835	320	½"	426	2488	840	24	16-M27	556,0
800	32"	110	1750	972	320	½"	426	2798	950	24	16-M30	679,0
900	36"	110	1990	1041	320	½"	538	3162	1050	28	20-M30	840,0
1000	40"	110	2195	1152	320	½"	538	3452	1160	28	20-M33	1053,0
1200	48"	150	2390	1255	400	½"	538	4048	1380	32	22-M36	-



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ISO 9001 : 2000

Certifié par



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### WORKING CONDITIONS

Maximum working pressure : DN 50-250 : 10 bar  
DN 300-450 : 7 bar  
DN 500-600 : 3 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. (DN50-450)

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.