

KNIFE GATE VALVE CAST IRON VG3400-001 NON RISING SPINDLE DIN PN 10-16

Material cast iron EN-JL1040; DIN GG25
Pressure PN 10-16

TECHNICAL DESCRIPTION

Range: from DN 50 to DN 600.
ON / OFF function or regulation.
Threaded mounting between PN10 flanges.
One-way tightening, clockwise.
The wedge is guided in the body with a small clearance.

Packing: Packing and O-ring to provide elasticity and reduce operating torque.

Regulation: Ability to regulate high density fluids.

Seal: Diaphragm ring.

WORKING FLUID / MEDIUM

They are used in installations for the transfer of thick technological slurries, water, water processing, sewage, the chemical industry, wine production and for the transfer of dry mixtures.

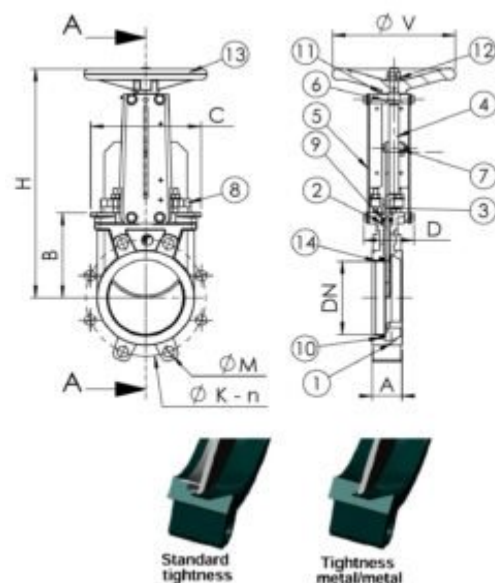
OPTIONS

Different body and disc materials on request:

EXECUTION

- Seal: metal / metal
- Seal: metal / rubber (soft sealing)

Dimensions: DN 50 - 600



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No.	DETAILS	MATERIALS	SPECIFICATION	
14	O-ring	stainless steel 316	Construction standard:	EN 2014/68/EU
13	Flywheel	grey cast iron DIN GG 25		
12	Nut	stainless steel	Atex:	ATEX II 2 GD c and ATEX II 3 GD c.
11	Thrust washer	bronze RG50		
10	Sealant	NBR rubber	Execution:	straight
9	Sealant	NBR rubber		
8.1	Stuffing box	aluminum DN50-450	Connection:	between flanges of EN 1092-2 PN10 on thread
8.2	Stuffing box	steel DN500-600		
7	Friction washer	bronze RG5	Management:	flywheel
6	Nut	galvanized steel	Drive:	multi-turn
5	Plank	steel + epoxy coating	Tests:	EN 12266-1, DIN 3230
4	Spindle	stainless steel	Operating temperature. °C	- 10°C to + 80°C
3	Wedge	stainless steel ASTM AISI 304 BS		
2	Stuffing box sealant	Teflon PTFE	Maximum operating pressures:	
1	Body	cast iron EN-GJL-250	DN 50-250	10 bar
			DN 300-450	7 bar
			DN 500-600	4 bar

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DN		A	B	C	D	Ø V	H	Ø K	n	Ø M	Weight (kg)
mm	inches										
50	2"	40	105	124	94	200	291	125	4	4-M16	7.5
65	2"1/2	40	115	139	94	200	318	145	4	4-M16	8.8
80	3"	50	124	154	94	200	342	160	8	4-M16	9.4
100	4"	50	140	174	94	200	383	180	8	4-M16	11.5
125	5"	50	150	189	100	250	420	210	8	4-M16	15.4
150	6"	60	175	220	101	250	471	240	8	4-M20	18.5
200	8"	60	205	275	124	310	577	295	8	4-M20	34.8
250	10"	70	250	326	126	310	677	350	12	8-M20	47.0
300	12"	70	300	380	128	310	777	400	12	8-M20	61.0
350	14"	96	339	438	290	500	939	460	16	10-M20	117.0
400	16"	100	392	494	290	500	1037	515	16	10-M24	151.0
450	18"	106	434	547	290	500	1125	565	20	14-M24	187.0
500	20"	110	487	613	290	500	1237	620	20	14-M24	205.0
600	24"	110	592	716	290	500	1432	725	20	14-M27	292.0