

THROUGH CONDUIT KNIFE GATE VALVE

The Series 30 (TL) model knife gate is a bi-directional wafer valve designed for media with high consistency. The double seat design assures a non-clogging shut off on either normal or reverse flow. The valve is used in a wide range of demanding applications in industries such as:

- Pulp and Paper
- Chemical plants
- etc.
- Wastewater treatment plants
- Power plants

Product description

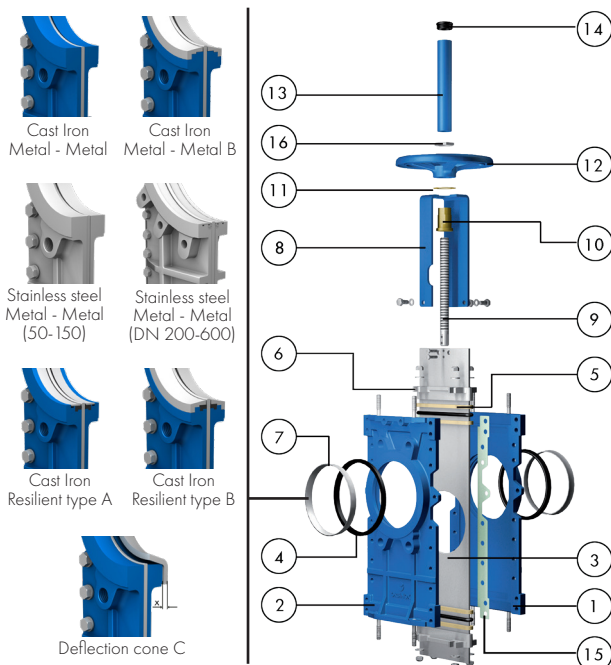
- Bi-directional wafer type through-conduit knife gate valve
- Size range of DN2in-40in (larger upon request). See Dimension Charts for pressure rating
- Rising & non-rising stem configurations available
- Standard flange connection: EN -1092 PN 10 and ASME B16.5 (class 150). Others upon request
- Manual (handwheel, chainwheel, lever and bevel gear), pneumatic (single and double-acting), electric and hydraulic actuation options available
- For EU Directives and other Certificates, please see the document: Directives and Certificates Compliance - Knife Gate Valves - Catalogues and Datasheets

Features

- Wafer type cast two-part bolted body. HMWPE sliders included in the stainless steel version for a smoother gate traveling
- Full port design for greater flow capacity and minimal pressure drop
- Stainless steel o-port design through-going gate, polished both sides to avoid jamming and seat damage
- Standard EPDM resilient seat. Metal-to-metal seat, as well as high performance rings and deflection cones available
- Dual packing with easy access and adjustable packing glands ensuring a tight seal. Long life PTFE impregnated synthetic fiber plus EPDM O-ring. Wide range of packing materials available
- RAL-5015 blue epoxy-coating on all cast iron/carbon steel components
- Automated valves provided with gate guards in accordance with EU Safety Standards. Only in EU
- Other options: bonnets, V-ports, flush ports, special materials, fabricated valves, etc.
- Actuation accessories: limit & proximity switches, mechanical stops, positioners, solenoid valves, manual overrides, locking devices, fail safe systems, stem extensions and floor stands



STANDARD PARTS LIST



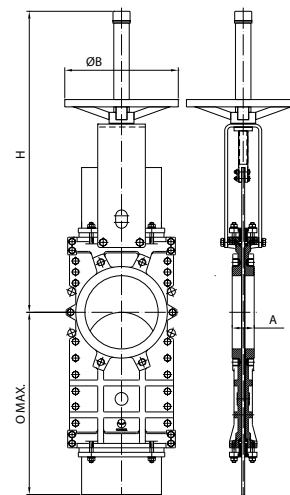
Part	Description
1	Body EN-GJL250 / EN-GJS400 / CF8M ¹
2	Body EN-GJL250 / EN-GJS400 / CF8M ¹
3	Gate AISI 304 / AISI 316 ¹
4	Seat Metal or EPDM
5	Packing PTFE Impreg. Synth. Fibre (ST)+O-ring
6	Gland follower Al. (DN 2in/50mm-12in/300mm) / EN-GJS400 (DN 14in/350mm-40in/1000mm) / CF8M ¹
7	Seat retainer ring AISI 304 / AISI 316 ¹
8	Yoke Epoxy-coated Carbon Steel
9	Stem Stainless Steel
10	Stem nut Brass
11	Friction washer Brass
12	Handwheel EN-GJS400
13	Stem protector Epoxy-coated Carbon Steel
14	Cap Plastic
15	Gasket Aramid fibres
16	Nut Zinc plated Carbon Steel

¹ Stainless steel configuration

Handwheel Rising Stem

DN (in)	W. pressure	A (in)	ØB (in)	H (in)	O max.	Weight (lbs.)
2	150 psi	1,57	8,86	16,88	9,13	26
2,5	150 psi	1,57	8,86	17,75	10,04	30
3	150 psi	1,96	8,86	18,74	12,20	35
4	150 psi	1,96	8,86	20,35	14,44	44
5	150 psi	1,96	8,86	23,66	17,00	64
6	115 psi	2,36	8,86	25,67	19,56	77
8	115 psi	2,36	12,20	32,36	25,00	137
10	115 psi	2,75	12,20	40,03	30,59	197
12	90 psi	2,75	12,20	43,38	35,62	242
14	90 psi	3,78	16,14	50,63	41,22	384
16	90 psi	3,93	16,14	54,56	46,10	586
18	75 psi	4,17	21,65	62,32	51,22	718
20	60 psi	4,33	21,65	65,86	57,52	820
24	60 psi	4,33	21,65	77,28	67,36	981

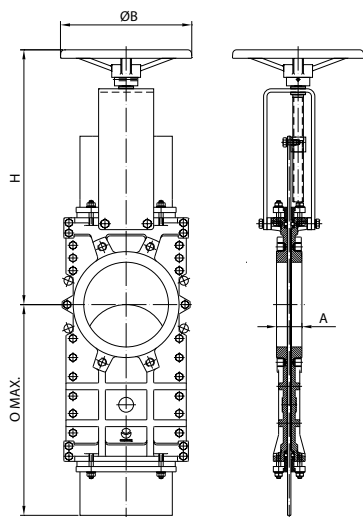
Other diameters on request



Handwheel Non-Rising Stem

DN (in)	W. pressure	A (in)	ØB (in)	H (in)	O max.
2	150 psi	1,57	8,86	12,48	9,13
2,5	150 psi	1,57	8,86	13,34	10,04
3	150 psi	1,96	8,86	14,33	12,20
4	150 psi	1,96	8,86	15,94	14,44
5	150 psi	1,96	8,86	17,28	17,00
6	115 psi	2,36	8,86	19,29	19,56
8	115 psi	2,36	12,20	23,42	25,00
10	115 psi	2,75	12,20	27,16	30,59
12	90 psi	2,75	12,20	30,51	35,62
14	90 psi	3,78	16,14	35,71	41,22
16	90 psi	3,93	16,14	39,64	46,10
18	75 psi	4,17	21,65	44,44	51,22
20	60 psi	4,33	21,65	47,99	57,52
24	60 psi	4,33	21,65	55,07	67,36

Other diameters on request



Pneumatic Cylinder

DN (in)	W. pressure	A (in)	ØB (in)	H (in)	O max.	Connect.	Weight (lbs.)
2	150 psi	1,57	4,53	16,41	9,13	1/4" G	30
2,5	150 psi	1,57	4,53	17,87	10,04	1/4" G	35
3	150 psi	1,96	4,53	19,56	12,20	1/4" G	40
4	150 psi	1,96	4,53	21,96	14,44	1/4" G	51
5	150 psi	1,96	5,51	24,88	17,00	1/4" G	75
6	115 psi	2,36	5,51	27,87	19,56	1/4" G	90
8	115 psi	2,36	6,89	34,33	25,00	1/4" G	160
10	115 psi	2,75	8,66	40,82	30,59	3/8" G	231
12	90 psi	2,75	8,66	46,14	35,62	3/8" G	282
14	90 psi	3,78	10,90	53,50	41,22	3/8" G	456
16	90 psi	3,93	10,90	59,40	46,10	3/8" G	662
18	75 psi	4,17	15,03	67,24	51,22	1/2" G	833
20	60 psi	4,33	15,03	72,75	57,52	1/2" G	981
24	60 psi	4,33	17,48	86,85	67,36	3/4" G	1365
28	30 psi	4,33	17,48	98,03	78,74	3/4" G	2679
32	30 psi	4,33	17,48	107,48	94,49	3/4" G	3153

Other diameters on request

