THROUGH CONDUIT KNIFE GATE VALVE

The Series 34 (TH) model knife gate is a bi-directional high pressure 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:

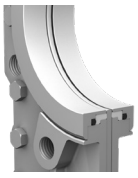
- Pulp and Paper
- Wastewater treatment plants
- Chemical plants
- Power plants
- Etc.

Product description

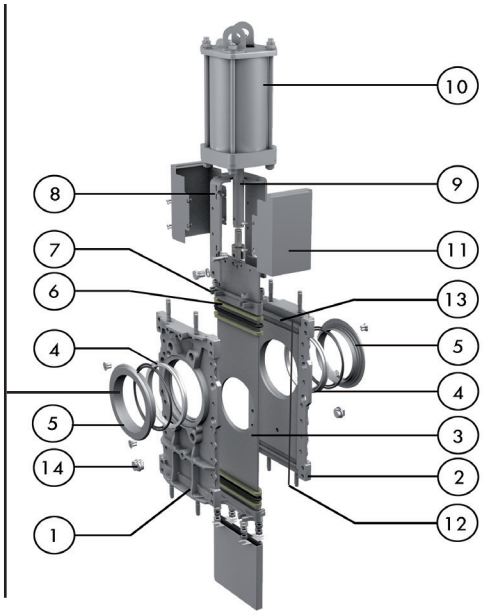
- Bi-directional through-conduit high pressure knife gate valve
- Size range of DN 8in-40in (larger sizes available upon request)
- Design pressure up to 300 psi/20 bar (other design pressures available upon request)
- Rising & non-rising stem configurations available
- Standard flange connection: EN-1092 PN10/16/25 and ASME B16.5 (class 150). Others flange connections available upon request
- Manual (bevel gear), double-acting pneumatic, 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

- Fabricated or cast two-part bolted stainless steel body with internal glass filled PTFE sliders for a smoother gate traveling
- Full port design for grater flow capacity and minimal pressure drop
- Stainless steel o-port design through-going gate, polished both sides to avoid jamming and seat damage
- Unique design that mechanically locks the seal in the interior of the valve body with a cast, easy to replace, stainless steel seat ring. Standard PTFE+ NBR O-ring
- Dual packing with easy access and adjustable packing glands. Long life multiple graphite imp. PTFE & aramid yarn combination with elastomeric core and EPDM o-ring. Wide range of materials available
- Automated valves provided with gate guards in accordance with EU Safety Standards.Only in EU
- Other options: bonnets, 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



Seat type K (PTFE)



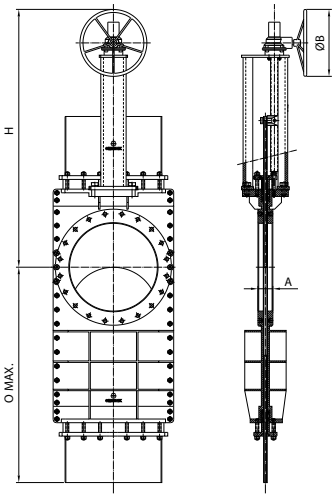
STANDARD PARTS LIST

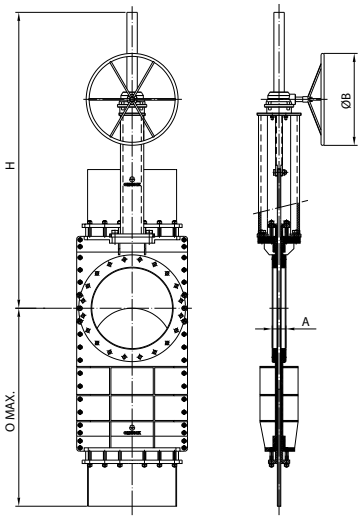
Part		Stainless Steel
1	Body	CF8M / AISI 316
2	Body	CF8M / AISI 316
3	Gate	AISI 316
4	Seat	PTFE
5	"K" Ring	AISI 316
6	Packing	Dynapack (Graphite impregnated PTFE and Aramid yam combination with an elastomeric core) + (EPDM O-ring)
7	Gland follower	CF8M / AISI 316
8	Yoke	AISI 304
9	Piston rod	AISI 304
10	Cylinder	Aluminum
11	Gate guards	AISI 304
12	O-ring	NBR
13	Sliders	Glass filled PTFE
14	Cap	AISI 316

Bevel Gear Non Rising Stem

DN (in)	A (in)	ØB (in)	H (in)	O max. (in)
8	3,55	12,20	25,83	25,08
12	4,49	12,20	32,36	35,63
14	4,92	16,14	35,31	41,22
16	4,92	16,14	39,25	46,10
18	5,91	21,65	44,09	51,22
20	5,91	21,65	47,63	62,00
24	6,70	21,65	54,68	67,36
28	7,09	25,59	39,25	78,93
32	7,48	25,60	44,09	90,35
36	8,27	25,60	47,64	101,77
40	8,27	25,60	54,69	113,19

Note: DN8in-32in dimensions for 150psi design pressure and PN10 flange drilling and DN36in-40in for 90psi design pressure and PN10 flange drilling





Bevel Gear Rising Stem

DN (in)	A (in)	ØB (in)	H (in)	O max. (in)
8	3,55	11,81	30,43	25,08
12	4,49	12,20	43,38	35,63
14	4,92	16,14	50,63	41,22
16	4,92	16,14	54,57	46,10
18	5,91	21,65	62,32	51,22
20	5,91	21,65	65,86	62,00
24	6,70	21,65	77,28	67,36
28	7,09	25,59	90,55	78,93
32	7,48	25,60	103,93	90,35
36	8,27	25,60	117,32	101,77
40	8,27	25,60	130,31	113,19

Note: DN8in-32in dimensions for 150psi design pressure and PN10 flange drilling and DN36in-40in for 90psi design pressure and PN10 flange drilling

Pneumatic Cylinder

DN (in)	A (in)	O max. (in)	B (in)	H (in)	Connect.
8	3,55	25,08	6,89	34,33	1/4" G
12	4,49	35,63	8,66	46,15	3/8" G
14	4,92	41,22	10,90	52,91	3/8" G
16	4,92	46,10	10,90	58,81	3/8" G
18	5,91	51,22	15,04	66,65	1/2" G
20	5,91	62,00	15,04	77,12	1/2" G
24	6,70	67,36	17,48	86,85	3/4" G
28	7,09	71,65	17,48	97,83	3/4" G
32	7,48	75,98	17,48	109,25	3/4" G
36	8,27	80,31	17,48	121,26	3/4" G
40	8,27	84,05	17,48	133,46	3/4" G

Note: DN8in-32in dimensions for 150psi design pressure and PN10 flange drilling and DN36in-40in for 90psi design pressure and PN10 flange drilling