

THROUGH CONDUIT KNIFE GATE VALVE

The Series 34 (TH) model knife gate is a bi-directional high pressure 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
- Wastewater treatment plants
- Chemical plants
- Power plants
- Etc.

Product description

- Bi-directional wafer type 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), 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

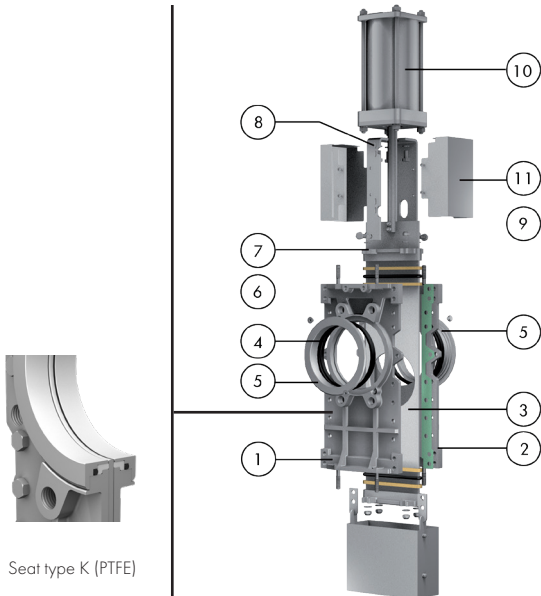
Features

- Wafer type fabricated or cast two-part bolted stainless steel body with internal HMWPE sliders 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
- Cast stainless steel seat ring, easily replaceable, that mechanically locks the seal. Standard EPDM seat, also available in other materials (PTFE,...). Metal-to-metal seat and deflection cones available
- 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, 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

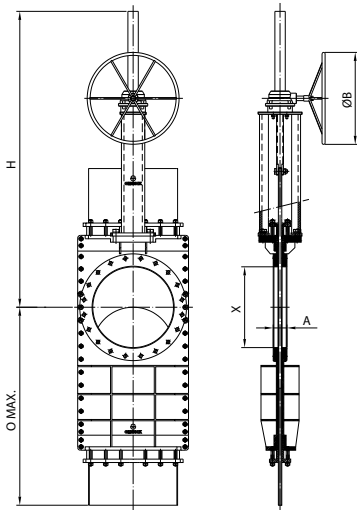
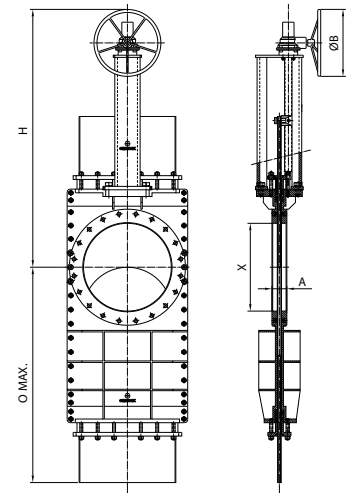
Part	Stainless Steel
1 Body	CF8M / AISI 316
2 Body	CF8M / AISI 316
3 Gate	AISI 316
4 Seat	PTFE
5 "K" Ring	AISI 316
6 Packing	Dynapack (Graphite impregnated PTFE and Aramid yarn combination with an elastomeric core) + (EPDM O-ring)
7 Gland follower	CF8M / AISI 316
8 Yoke	AISI 304
9 Piston rod	AISI 304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



Bevel Gear Non Rising Stem

DN (in)	X (in)	A (in)	ØB (in)	H (in)	O max. (in)
12	11,89	3,07	12,20	32,36	35,63
14	13,07	3,07	16,14	35,31	41,22
16	14,96	3,50	16,14	39,25	46,10
18	16,53	3,50	21,65	44,09	51,22
20	19,29	4,49	21,65	47,63	62,00
24	21,26	4,80	21,65	54,68	67,36
28	26,18	5,04	25,59	39,25	78,93
32	29,92	5,04	25,60	44,09	90,35
36	34,64	5,04	25,60	47,64	101,77
40	38,18	5,04	25,60	54,69	113,19

Note: DN12in-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)	X (in)	A (in)	ØB (in)	H (in)	O max. (in)
12	11,89	3,07	12,20	43,38	35,63
14	13,07	3,07	16,14	50,63	41,22
16	14,96	3,50	16,14	54,57	46,10
18	16,53	3,50	21,65	62,32	51,22
20	19,29	4,49	21,65	65,86	62,00
24	21,26	4,80	21,65	77,28	67,36
28	26,18	5,04	25,59	90,55	78,93
32	29,92	5,04	25,60	103,93	90,35
36	34,64	5,04	25,60	117,32	101,77
40	38,18	5,04	25,60	130,31	113,19

Note: DN12in-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)	X (in)	A (in)	O max. (in)	B (in)	H (in)	Connect.
12	11,89	3,07	35,63	8,66	46,15	3/8" G
14	13,07	3,07	41,22	10,90	52,91	3/8" G
16	14,96	3,50	46,10	10,90	58,81	3/8" G
18	16,53	3,50	51,22	15,04	66,65	1/2" G
20	19,29	4,49	62,00	15,04	77,12	1/2" G
24	21,26	4,80	67,36	17,48	86,85	3/4" G
28	26,18	5,04	71,65	17,48	97,83	3/4" G
32	29,92	5,04	75,98	17,48	109,25	3/4" G
36	34,64	5,04	80,31	17,48	121,26	3/4" G
40	38,18	5,04	84,05	17,48	133,46	3/4" G

Note: DN12in-32in dimensions for 150psi design pressure and PN10 flange drilling and DN36in-40in for 90psi design pressure and PN10 flange drilling

