

WAFFER STYLE KNIFE GATE VALVE

The EX model knife gate valve is an uni-directional wafer valve designed for general industrial service applications. The design of the body and seat assures non-clogging shut off on suspended solids in industries such as:

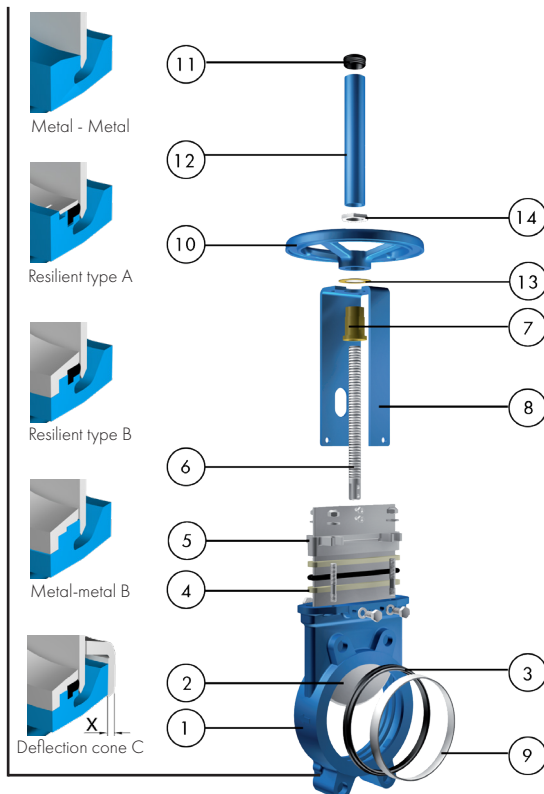
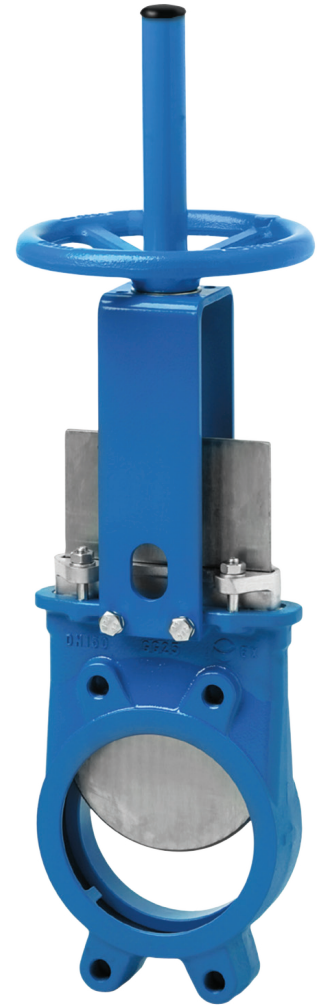
- Pulp and Paper
- Wastewater treatment plants
- Food and Beverage
- Mining
- Power plants
- Chemical plants
- Bulk handling
- Etc.

Product description

- Uni-directional wafer type knife gate valve
- Size range of DN50-1200 (larger upon request). See Dimension Charts for pressure rating
- Rising and non-rising stem configurations available
- Standard flange connection: EN-1092 PN10 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
- Directives: For specific EU Directives and other Certificates requirements, please see the Directives and Certificates Compliance - Knife Gate Valves – Catalogues and Datasheets

Features

- Wafer cast monoblock body with internal cast-in gate wedges and guides for tighter shut-off
- Full port design for greater flow capacity and minimal pressure drop
- Stainless steel 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
- Long life PTFE impregnated synthetic fibre plus EPDM o-ring packing with easy access and adjustable gland follower. 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
- 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



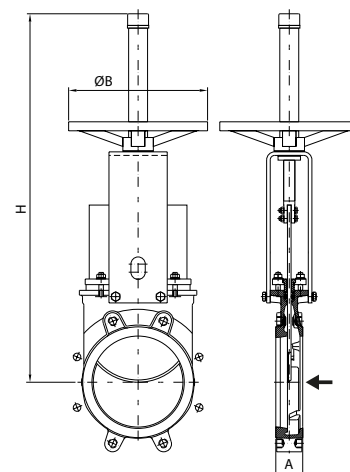
STANDARD PARTS LIST

Part	Description
1	Body
2	Gate
3	Seat
4	Packing
5	Gland follower
6	Stem
7	Stem nut
8	Yoke
9	"A" ring
10	Handwheel
11	Cap
12	Stem protector
13	Friction washer
14	Nut

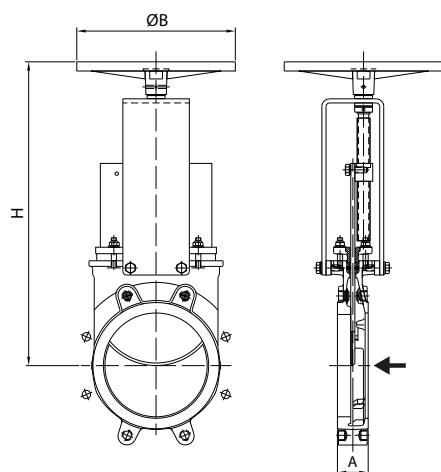
¹ Stainless steel configuration

Handwheel Rising Stem

DN	W.pressure	A	ØB	H	Weight (kg.)
50	10 bar	40	225	420	11
65	10 bar	40	225	450	12
80	10 bar	50	225	475	13
100	10 bar	50	225	520	14
125	10 bar	50	225	600	17
150	10 bar	60	225	652	21
200	10 bar	60	310	822	34
250	10 bar	70	310	1022	46
300	6 bar	70	310	1122	64
350	6 bar	96	410	1323	94
400	6 bar	100	410	1427	125
450	5 bar	106	550	1594	162
500	4 bar	110	550	1707	200
600	4 bar	110	550	2022	286
700	2 bar	110	800	2778	405
750	2 bar	110	800	2900	455
800	2 bar	110	800	2980	512
900	2 bar	110	800	3215	680
1000	2 bar	110	800	3400	865



Handwheel Non-Rising Stem



DN	W.pressure	A	ØB	H	Weight (kg.)
50	10 bar	40	225	312	10
65	10 bar	40	225	339	11
80	10 bar	50	225	364	12
100	10 bar	50	225	405	13
125	10 bar	50	225	439	15
150	10 bar	60	225	490	18
200	10 bar	60	310	595	32
250	10 bar	70	310	695	45
300	6 bar	70	310	795	60
350	6 bar	96	410	945	93
400	6 bar	100	410	1049	126
450	5 bar	106	550	1141	179
500	4 bar	110	550	1254	207
600	4 bar	110	550	1459	279
700	2 bar	110	800	1737	-
750	2 bar	110	800	1856	-
800	2 bar	110	800	1939	-
900	2 bar	110	800	2174	-
1000	2 bar	110	800	2381	-

Pneumatic Cylinder

DN	W.pressure	A	B	H	Connect.	Weight (kg.)
50	10 bar	40	115	412	1/4" G	10
65	10 bar	40	115	454	1/4" G	12
80	10 bar	50	115	497	1/4" G	13
100	10 bar	50	115	558	1/4" G	15
125	10 bar	50	140	632	1/4" G	21
150	10 bar	60	140	708	1/4" G	25
200	10 bar	60	175	872	1/4" G	41
250	10 bar	70	220	1042	3/8" G	60
300	6 bar	70	220	1192	3/8" G	75
350	6 bar	96	277	1387	3/8" G	128
400	6 bar	100	277	1541	3/8" G	156
450	5 bar	106	382	1710	1/2" G	234
500	4 bar	110	382	1873	1/2" G	267
600	4 bar	110	382	2178	1/2" G	334
700	2 bar	110	444	2546	3/4" G	520
750	2 bar	110	444	2725	3/4" G	585
800	2 bar	110	444	2850	3/4" G	650
900	2 bar	110	515	3202	3/4" G	850
1000	2 bar	110	515	3488	3/4" G	1060

