

BS Vertriebsbüro GmbH

Silo-Anlagenbau - "Your specialist in silo components"

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Flat Gate Types & Closing Components

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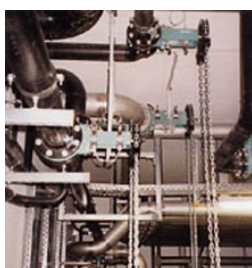
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Knife Gate Valves

Soft seated, piggable gate valve to shut-off and control liquid media with solids content.

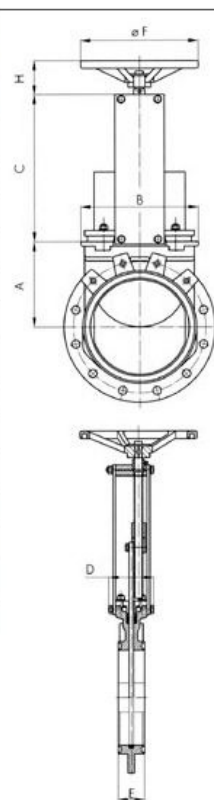


FEATURES:

- Integrated flange sealings
- Bi-directional sealing, one-sided lugging
- Gland packing and packing adjustable and easily removable
- Low maintenance
- Can be disassembled, material-specific recycling possible
- Possible actuators: hand wheel, chain wheel, pneumatic and electric actuators

Technical Data			
Nominal diameter:	DN 50 - DN 1400 bigger sizes upon request	Tightness check:	DIN 3230, T3, BN (Leaking Rate 1)
Face-to-face:	EN 558, Reihe 20 (DIN 3202-K) ISO 5752 short from DN 350 works standard	Temperature range:	0°C to +70°C depending on pressure, medium and material
Flange surface design:	DIN 2632/2642	Actuators:	hand wheel, chain wheel, double and single acting pneumatic and electric actuators, hand lever
Marking:	DIN EN 19	Operating pressure:	DN 50 - DN 250: 10 bar DN 300 - DN 400: 6 bar DN 450: 5 bar DN 500 - DN 600: 4 bar DN 700 - DN 1000: 2 bar DN 1200 - DN 1400: 1 bar
General applications: Water and wastewater / Beverage and food industry / Chemical plants			

DN (mm)	Size (in)	Dimensions (mm)							free shaft weight (kg)	hand wheel weight (kg)
		A	B	C	D	E	F	H		
50	2	105	118	158	100	43	200	62	7,5	9,0
65	2 1/2	115	133	175	100	46	200	62	8,0	9,5
80	3	124	148	193	100	46	200	62	9,0	10,5
100	4	140	167	217	104	52	200	62	11,5	13,0
125	5	150	174	243	104	56	250	66	14,0	17,0
150	6	170	200	266	104	56	250	66	18,0	21,0
200	8	183	260	340	118	60	300	80	28,5	33,0
250	10	228	310	395	118	68	300	80	41,5	46,0
300	12	268	369	445	118	78	300	80	55,5	60,0
350	14	315	423	553	193	80	410	82	82,0	90,0
400	16	350	480	603	193	80	410	82	132,0	140,0
450	18	505	530	653	197	90	550	82	174,0	185,0
500	20	450	595	713	197	90	550	82	193,0	204,0
600	24	510	700	813	197	100	550	82	219,0	230,0
700	28	610	890	979	398	110			360,0	
800	32	700	1012	1076	320	110			435,0	
900	36	785	1112	1115	320	110			550,0	
1000	40	1120	1240	1220	320	110			710,0	
1200	48	1340	1470	1455	450	150			1010,0	



For DN 400 or bigger nominal diameters we recommend to use angular gears for valves.
Subject to change without notice.

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