

BS Vertriebsbüro GmbH

Silo-Anlagenbau - "Your specialist in silo components"

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Flat Gate Types & Closing Components

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■ **Knife Gate Valves**

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Knife Gate Valves

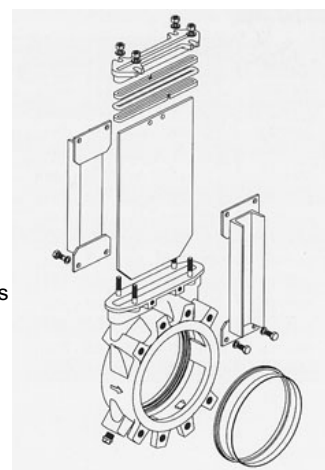
A series of valves especially designed for industrial bulk handling service applications.

Features:

- Can be used as terminal fitting
- Casted Monoblock Design
- The gate is supported by casted wedges
- Two flush parts for water and air allow cleaning of the seat area
- Threaded body holes for easy centering
- The gland packing can be fastened and changed during operation
- Installation in horizontal position
- Can be disassembled. Material specific recycling is possible
- Possible actuators: hand wheel, chain wheel, pneumatic or electric actuators

General applications:

- Silo outlets
- Power plants
- Food and beverage
- Chemical plants
- Mining industry
- Pneumatic conveyor technology



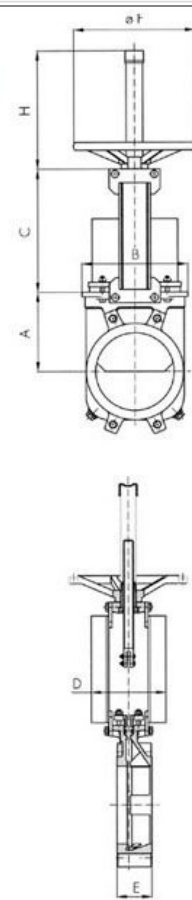
Technical Data			
Nominal diameter:	DN 50 - DN 600 bigger sizes upon request	Body:	GG-25, CF8M
Face-to-face:	works standard	Gate:	AISI 304, AISI 316, AISI 316 TI
Flange accomodation::	DIN 2501 PN 10 ANSI B 16.5, Class 150	Sealing:	Metal or EPDM (other materials depending on medium and temperature)
Flange surface design:	DIN 2632	Gland packing:	Braided fibre plus an EPDM O-Ring (other materials depending on medium and temperature)
Marking:	DIN EN 19	Gland follower:	Aluminium, Nodular Cast Iron, Stainless Steel 1.4408
Tightness check:	DIN 3230 T3 BN (Leakage Rate 1), with soft sealing, ISO 5208 Category 3	Seat retainer:	Stainless Steel 1.4301, 1.4401
Temperature range:	depending on packing- and seal material	Support plate:	Steel
	Operating pressure: Counter pressure (Seat) DN 50 - DN 250: 10 kg/cm^2 3 kg/cm^2		

Pressure load:	DN 300 - DN 400: 6 kg/cm ²	2 kg/cm ²	Head:	Steel
	DN 450: 5 kg/cm ²	1,5 kg/cm ²		
	DN 500 - DN 600: 4 kg/cm ²	1 kg/cm ²		

EINSATZGEBIETE, z.B.:

Siloauslässe (in metallisch oder weichdichtender Ausführung lieferbar) / Kraftwerke
Lebensmittel- und Getränkeindustrie / Chemische Anlagen / Bergbau / Pneumatische Fördertechnik

DN (mm)	Size (in)	Hauptabmessungen (mm)							ohne Betätigung Gewicht (kg)	mit Handrad Gewicht (kg)
		A	B	C	D	E	F	H		
50	2	105	124	135	104	46	200	140	5,5	7,0
65	2 1/2	115	139	152	104	46	200	140	6,5	8,0
80	3	124	154	168	104	64	200	140	7,5	9,0
100	4	140	174	193	104	64	200	140	9,5	11,0
125	5	150	192	217	104	70	250	185	13,0	15,0
150	6	170	217	243	104	76	250	185	16,0	18,0
200	8	205	270	318	187	89	300	245	25,5	30,0
250	10	240	326	373	187	114	300	345	39,5	44,0
300	12	280	380	423	187	114	300	345	53,5	58,0
350	14	320	438	503	290	127	410	430	88,0	96,0
400	16	350	493	553	290	140	410	430	116,0	124,0
450	18	420	546	603	290	152	550	510	157,0	168,0
500	20	450	620	663	290	152	550	510	181,0	192,0
600	24	530	714	763	290	178	550	620	234,0	245,0



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

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