



SLURRY KNIFE GATE VALVE

CATALOGUE MODEL

SLB200

- Bi – Directional Sealing
- Full Port Flanged Design
- Designed for Slurry
- Self Cleaning Type

SLB200 Slurry Knife Gate Valve

Precision Flow Control Solutions



Product Overview

The **SLB 200** is a bi-directional slurry valve, designed for slurry applications. Twin elastomer sleeves and push-through gate design facilitate self-cleaning and prevent media build up.

Product Features

- **Durable Body Design:** Ductile Iron body offered in a two-piece bolted flange style
- **Full Bore Flow:** When fully open, the valve is full bore, provides high flow rates with low pressure drop
- **Protective Stem Cover:** Protective stem cover is standard in all models, increasing cycle life in hazardous environments.
- **Sleeve Sealing:** Dual, embedded spring steel reinforced, elastomer sleeves providing dynamically corrected sealing for Zero Leakage.
- **Media Shielding:** In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media
- **Gate Options:** Gate available in a wide range of corrosion resistant alloys to suit the pressure rating and application
- **Unobstructed Flow:** The design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve
- **Easy Maintenance:** Flanged two-piece bolted body allows for easy maintenance and is drilled and tapped to country standards
- **Flush Options:** Optional bottom flush plate with tapped ports, allows for safe discharge of media and easy flush water connection.
- **Pipeline Compression:** When mounted between pipeline flanges, sleeves are compressed. Thus creating a tight sealing and allowing the Gate to travel smoothly during Opening & Closing
- **Split Superstructure:** Split superstructure helps in removal of complete Gate assembly only by removing pneumatic cylinder fasteners

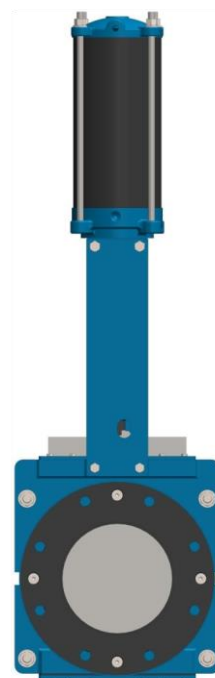
Target Industries

Mining & Metals

Power

Alumina

Chemical



Size Range	DN80 – DN600	Body*	Ductile Iron
Body Style	Two Piece Bolted	Gate & Stem*	SS304/316/2205
End Connection	Flanged	Seat*	Natural Rubber
Pressure Rating	CWP-7 /CWP10	Drilling Std	ASME B16.5 150#
Design, Testing and Face to Face		As per manufacturer Standard	

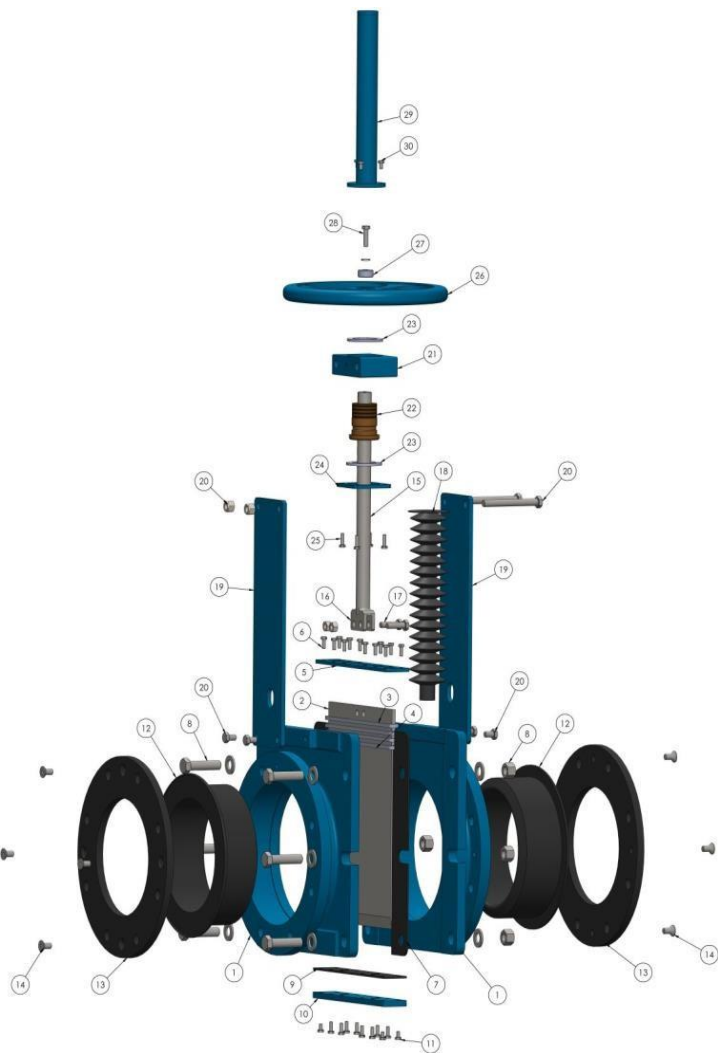
* Other materials are available on request. Plz contact valves@sparkmedls.com for details

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Bill of Materials (Parts List)



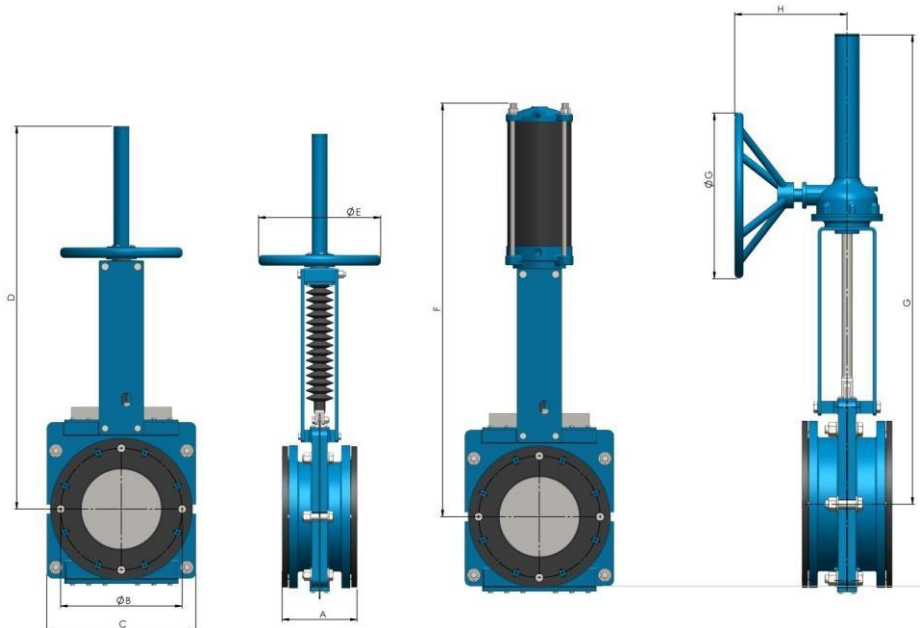
Item No.	Component Description	Standard Material of Construction
1	Body	DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Gland Packing	PTFE, Graphite & Aramide Combination
4	Scraper	Polyurethane
5	Gland Plate	CS / SS
6	Fasteners (Gland)	CS / SS
7	Body Gasket	EPDM
8	Fasteners (Body)	CS / SS
9	Drain Plate Gasket	EPDM
10	Drain Plate	CS / SS
11	Fasteners (Drain Plate)	CS / SS
12	Seat	NR / EPDM
13	Seat Retainer	CS + NR / EDPM
14	Fasteners (Retainer)	CS / SS
15	Stem	SS304 / SS316
16	Clevis	SS
17	Fasteners (Clevis)	SS
18	Stem Bellows	Canvas / Leather
19	Structure	CS
20	Fasteners (Structure)	CS / SS
21	Collar	CS
22	Stem Nut	Brass / Al Bronze
23	Thrust Bearing	SS
24	Bracket (Bellows)	CS
25	Fasteners (Bellows)	CS
26	Hand Wheel	CI / DI
27/28	Stopper / Fasteners	SS
29	Stem Cover	CS

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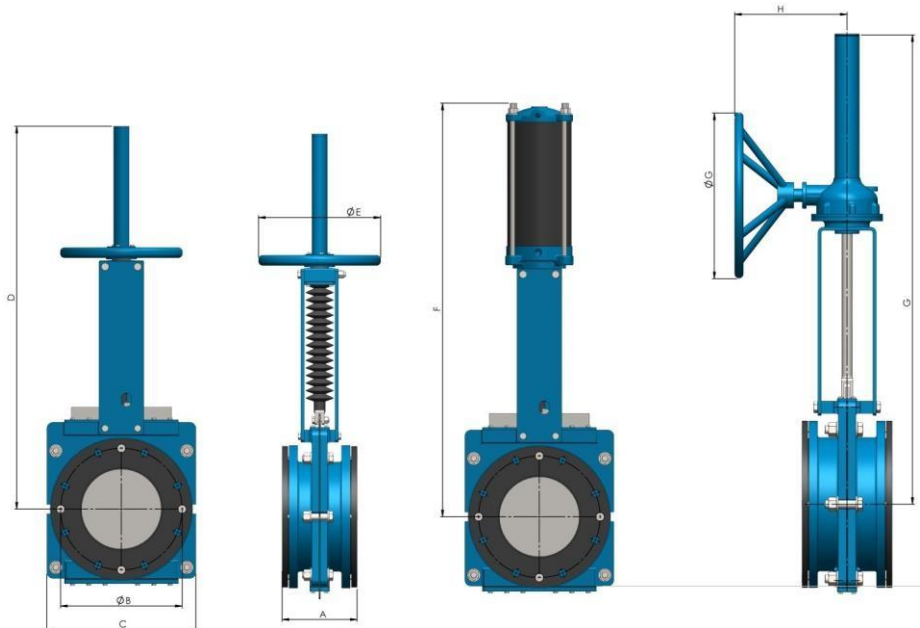
Dimensional Data



Valve Size (DN)	A	*B	C	D	E	F	G	H	J
50	175	120.7	204	480	250	550	-	-	-
80	175	152.5	228	600	250	660	-	-	-
100	175	190.5	280	620	250	690	-	-	-
150	178	241.3	330	850	300	900	920	280	-
200	184	298.5	406	960	300	1030	1020	280	500
250	226	362	432	1100	400	1180	1130	310	500
300	257	431.8	534	-	-	1310	1230	400	500
350	257	476.3	584	-	-	1480	1380	400	500
400	279	539.8	635	-	-	1620	1460	430	500
450	311	577.9	686	-	-	1800	1710	460	500
500	359	635	736	-	-	1950	1840	460	500
600	372	749.3	864	-	-	2300	2230	500	500

**In conformance with ASME B16.5, Class 150 for sizes NPS 2 (DN50) through NPS 24 (DN600)*

Dimensional Data



Dimensions (Imperial Inches)

Valve Size (Inch)	A	*B	C	D	E	F	G	H	J
2"	6.88	4.75	8.03	18.9	9.84	21.65	-	-	-
3"	6.88	6.00	8.98	23.62	9.84	25.98	-	-	-
4"	6.88	7.50	11.02	24.41	9.84	27.17	-	-	-
6"	7.24	9.50	12.99	33.46	11.81	35.43	36.22	11.02	-
8"	8.89	11.75	15.98	37.80	11.81	40.55	40.16	11.02	19.69
10"	10.11	14.25	17.01	43.31	15.75	46.46	44.49	12.20	19.69
12"	10.11	17.00	21.02	-	-	51.57	48.43	15.75	19.69
14"	10.98	18.75	22.99	-	-	58.27	54.33	15.75	19.69
16"	12.24	21.25	25.00	-	-	63.78	57.48	16.93	19.69
18"	14.01	22.75	27.01	-	-	70.87	67.32	18.11	19.69
20"	14.64	25.00	28.98	-	-	76.77	72.44	18.11	19.69
24"	14.49	29.50	34.02	-	-	90.55	87.80	19.69	19.69

**In conformance with ASME B16.5, Class 150 for sizes NPS 2 (DN50) through NPS 24 (DN600)*

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