



SLURRY KNIFE GATE VALVE



CATALOGUE MODEL

SLB 100

High Pressure Bi-Directional Valve
for Slurry applications

SLB100 Slurry Knife Gate Valve

Precision Flow Control Solutions



Product Overview

The **SLB 100** is a bi-directional slurry valve, designed for high-pressure severe service slurry applications. Designed with twin elastomer sleeves and push-through gate design facilitate self-cleaning and prevent media build up.

Product Features

Durable Body Design: Durable ductile iron body offered in a two-piece bolted flange style

Full Bore Flow: When fully open, the valve is full bore, offering no resistance to passing media

Protective Stem Cover: Upper and lower protective stem cover is standard in all models, increasing cycle life in hazardous environments

Sleeve Reinforcement: Fully encapsulated sleeve reinforcement and memory assist, guaranteeing bidirectional zero leakage performance

Flush Options: Optional bottom flush plate with tapped ports allows for safe discharge of media and easy flush water connection

Target Industries

Engineered for severe service and demanding Slurry applications

Mining & Metlas

Power

Alumina

Pulp & Paper

Chemical

Cement

Design & Testing Standards

Face to Face	Indl Standard
Design	Mfr Standard
Testing	Mfr Standard

TECHNICAL SPECIFICATIONS

Size Range	DN50 – DN600	Body*	Ductile Iron
Body Style	Two Piece Bolted	Gate & Stem*	SS304
End Connection	Wafer	Seat*	Natural Rubber
Pressure Rating	PN10 PN16	Flange Drilling Options	ASME B16.5 EN1092 BS10 Tab D&E AS2129 D&E JIS 10K

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

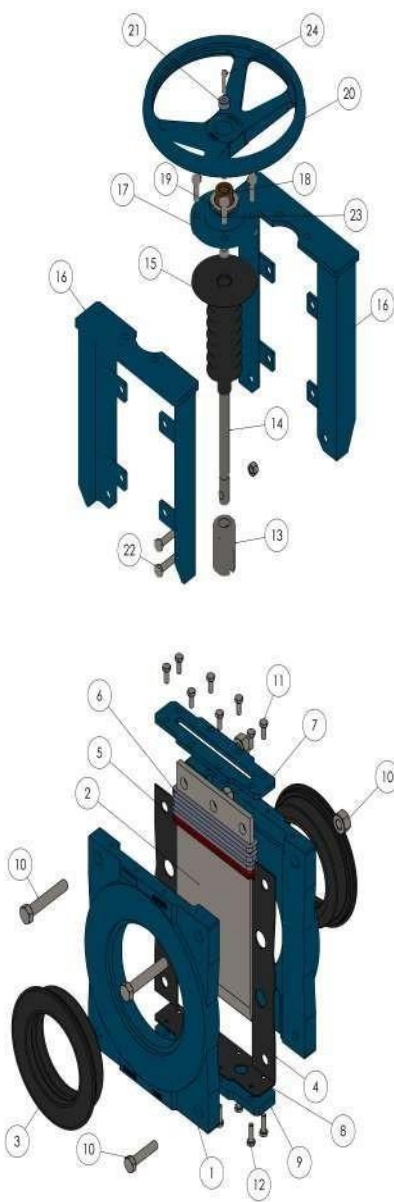
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Bill of Materials (Parts List)

Standard materials of construction are provided below to cover typical industrial slurry applications. However, We understands that specialized process environments often demand unique metallurgical properties. Therefore, any other special material requirements, please contact us



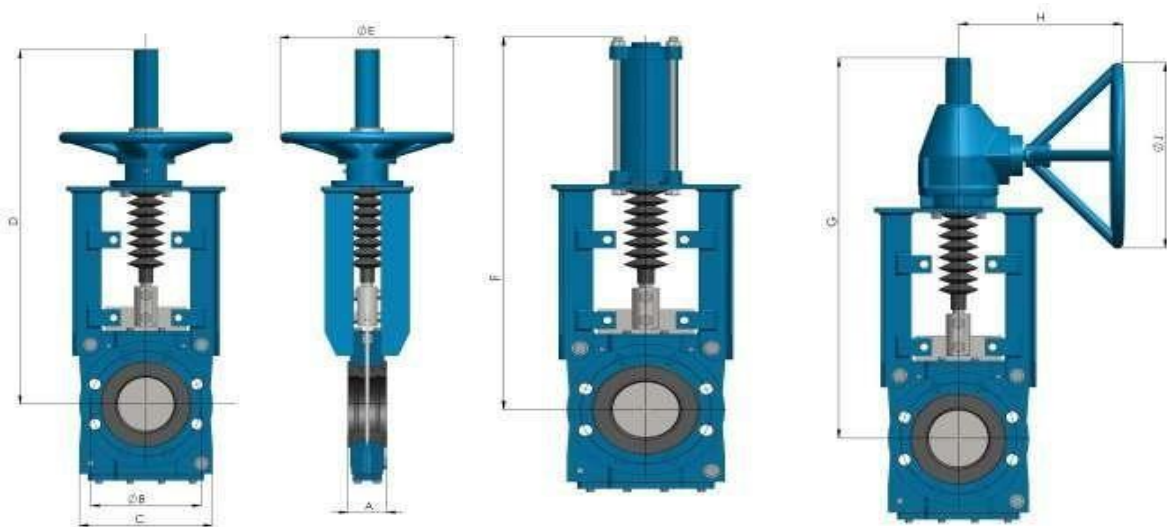
P.No	Parts Description	Material of Construction*
1	Body	DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Seat	Nat Rubber/Nitrile/EPDM
4	Packing	PTFE/Graphite/Aramide
5	Fasteners (Body)	CS / SS
6	Fasteners (Gland)	CS / SS
7	Clevis	SS
8	Stem	SS304
9	Yoke Sleeve	SS304 / SS316
10	Thrust Bearing	SS
11	Fasteners (Clevis)	SS
12	Yoke	CS
13	Fasteners (Yoke)	CS
14	Hand Wheel	CI / CS

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Dimensional Data



Dimensions (Metric mm)

Valve Size (DN)	A	*B	C	D	E	F	G	H	J
50	54	120.7	165	530	250	520	-	-	-
80	57	152.5	200	610	250	710	-	-	-
100	57	190.5	230	700	250	800	-	-	-
125	64	215.9	255	760	300	900	-	-	-
150	64	241.3	285	840	300	1000	890	310	300
200	76	298.5	345	970	400	1320	1190	310	500
250	76	362	405	1140	400	1525	1230	310	500
300	83	431.8	485	-	-	1640	1340	310	500
350	83	476.3	535	-	-	1875	1500	330	500
400	96	539.8	600	-	-	2000	1660	330	500
450	96	577.9	648	-	-	2200	1850	330	500
500	121	635	715	-	-	2350	2100	330	500
600	121	749.3	850	-	-	2530	2250	330	500

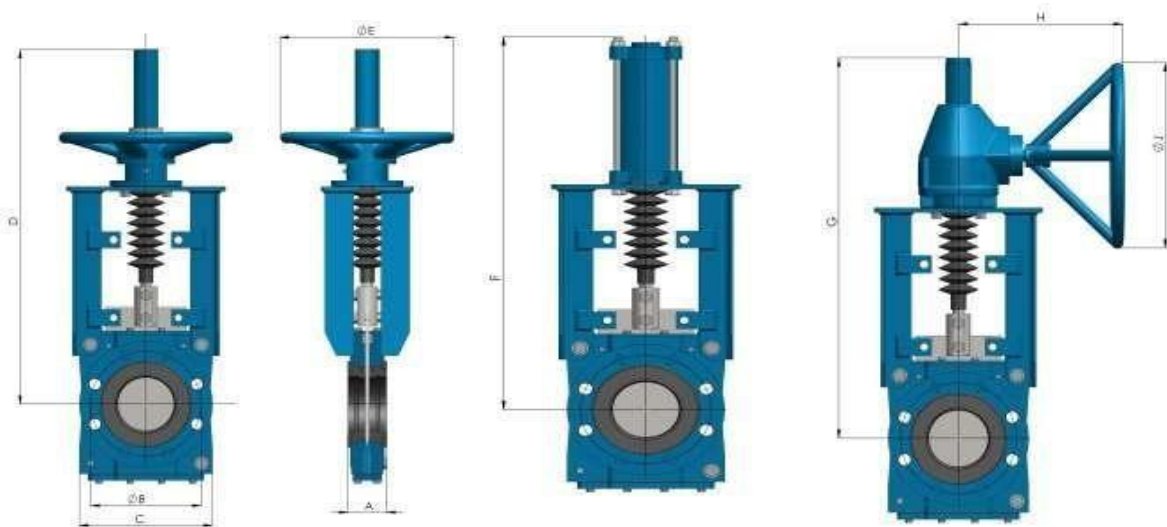
**In conformance with ASME B16.5, Class 150 for sizes NPS 2 (DN50) through NPS 24 (DN600)*

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Dimensional Data



Dimensions (Imperial inches)

Valve Size (Inch)	A	*B	C	D	E	F	G	H	J
2"	2.13	4.75	6.5	20.87	9.84	20.47	-	-	-
3"	2.24	6.00	7.87	24.02	9.84	27.95	-	-	-
4"	2.24	7.50	9.06	27.56	9.84	31.5	-	-	-
5"	2.52	8.50	10.03	29.92	11.81	35.43	-	-	-
6"	2.52	9.50	11.22	33.07	11.81	39.47	35.04	12.20	11.81
8"	2.99	11.75	13.58	38.19	15.75	51.97	46.85	12.20	19.69
10"	2.99	14.25	15.94	44.88	15.75	60.04	48.43	12.20	19.69
12"	3.27	17.00	19.09	-	-	64.57	52.76	12.20	19.69
14"	3.27	18.75	21.06	-	-	73.82	59.06	12.99	19.69
16"	3.78	21.25	23.62	-	-	78.74	65.35	12.99	19.69
18"	3.78	22.75	25.51	-	-	86.61	72.83	12.99	19.69
20"	4.76	25.00	28.14	-	-	92.52	82.68	12.99	19.69
24"	4.76	29.50	33.46	-	-	99.61	88.68	12.99	19.69

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