



SLURRY KNIFE GATE VALVE

CATALOGUE MODEL

KGB800/801

- Bi – Directional Sealing
- High Pressure design
- Designed for Mild Slurry
- Replaceable Seat
- Zero Leakage

SLB800/801 Slurry Knife Gate Valve

Precision Flow Control Solutions



Product Overview

KGB800 is a bi-directional knife gate valve, designed for mild slurry applications. Features a robust steel reinforced perimeter seat which provides zero leakage shutoff.

KGB801 is a bi-directional knife gate valve, designed for mild slurry applications. Features a field replaceable polyurethane bore liner making it an economical solution for abrasive applications.

Product Features

- **Seat Design:** Replaceable steel reinforced perimeter seat is mechanically retained between both halves of the two-piece bolted body for unsurpassed performance in the most demanding applications.
- **Actuation Conversion:** Designed for easy, quick conversion between manual and pneumatic actuation.
- **Lubrication:** Features a lubricant injection port for continuous, smooth operation with minimal maintenance.
- **Gate Stabilization:** Clevis design and horizontal bolting stabilizes gate ensuring proper alignment.
- **Gland Sealing:** Standard multi-layer square packing with energized Quad seal provides exceptional gland sealing.
- **Flow Path:** Unrestricted flow path with minimal pressure drop achieved through full port valve design.
- **Durability:** Deflection resistant gate design ensures consistent alignment for industry leading durability.
- **Body Construction:** Two-piece bolted body for easy maintenance and seat replacement.
- **Liner Protection:** Polyurethane liner or rubber liner bonded to both halves of the body completely protects valve body from media (Model 801 only).

Target Industries

Mining & Metals

Cement

Chemical



Size Range	DN50 – DN600	Body*	Cast Iron/Steel
Body Style	Two Piece Bolted	Gate & Stem*	SS304
End Connection	Wafer Mid Flange	Seat*	Nitrile
Pressure Rating	PN10 & PN16	Drilling Std	ASME 150#, PN10&16, BS10, AS2129, JIS10K
Design, Testing and F/F : MSS-SP-81			

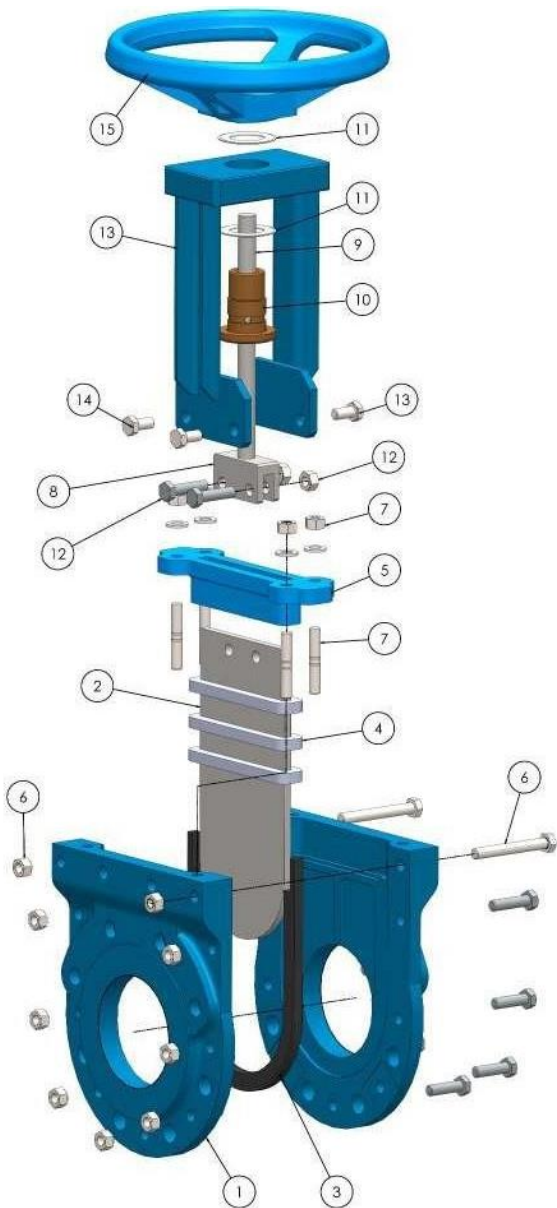
* Other materials are available on request. Plz contact valves@sparkmedls.com for details

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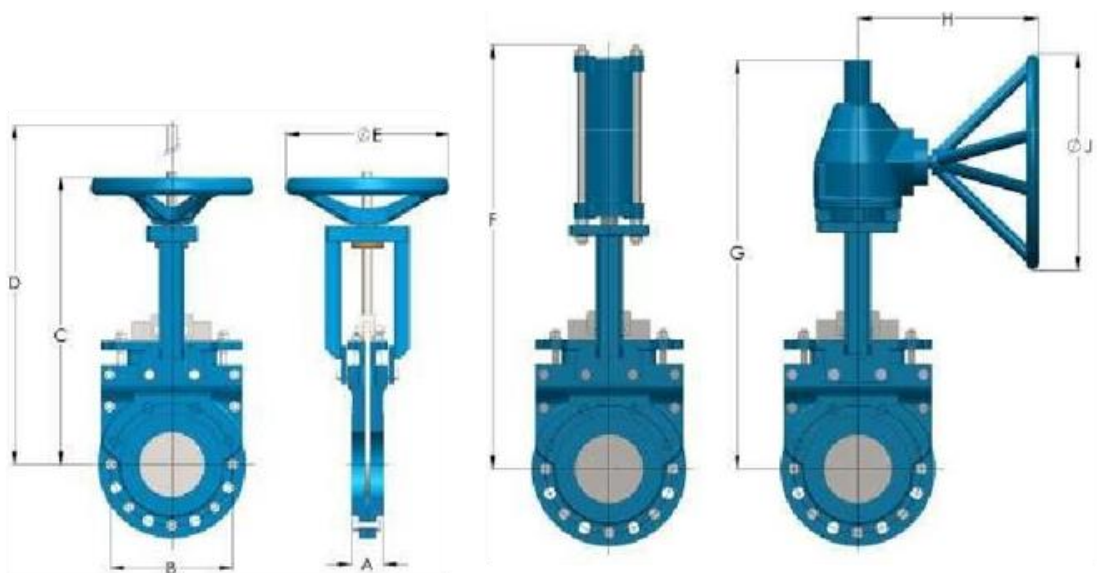
Bill of Materials (Parts List)



Item No.	Description	Material of Construction
1	Body	CI / DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Seat	Nitrile / EPDM / Viton
4	Packing	PTFE
5	Gland	WCB / CF8 / CF8M
6	Fasteners (Body)	CS / SS
7	Fasteners (Gland)	CS / SS
8	Clevis	SS304 / SS316
9	Stem	SS304 / SS316
10	Yoke sleeve	Brass
11	Thrust bearing	SS
12	Fasteners (Clevis)	SS
13	Yoke	SS
14	Fasteners (Yoke)	CS / SS
15	Hand wheel	CI / CS

* Other Materials on request

Dimensional Data

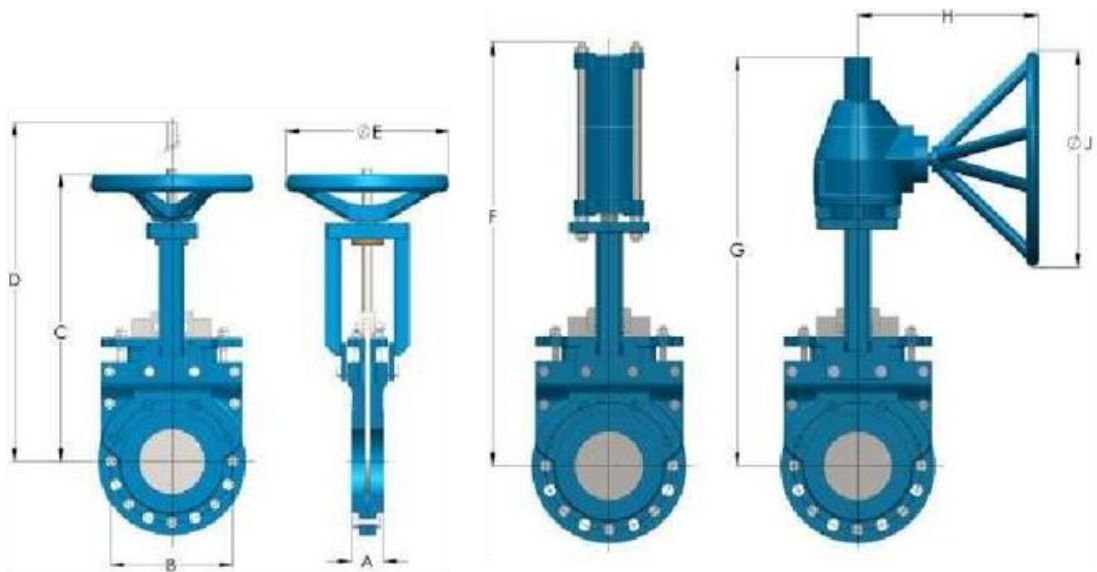


Dimensions (Metric mm)

Valve Size	A	*B	C	D	E	F	G	H	J
2	48	120.7	390	415	200	520	-	-	-
3	51	152.5	430	480	200	590	-	-	-
4	51	190.5	530	600	250	715	-	-	-
5	57	215.9	600	700	300	825	-	-	-
6	57	241.3	650	755	300	915	-	-	-
8	70	298.5	725	920	400	1100	-	-	-
10	70	362	810	1045	400	1290	1130	310	500
12	76	431.8	-	-	-	1425	1320	310	500
14	76	476.3	-	-	-	1540	1440	330	500
16	89	539.8	-	-	-	1800	1600	330	500
18	89	577.9	-	-	-	1980	1770	330	500
20	114	635	-	-	-	2200	2065	330	500
24	114	749.3	-	-	-	2530	2400	330	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	A	*B	C	D	E	F	G	H	J
2	1.88	4.75	15.35	16.34	7.87	20.47	-	-	-
3	2.00	6.00	16.93	18.90	7.87	23.23	-	-	-
4	2.00	7.50	20.87	23.62	9.84	28.15	-	-	-
5	2.24	8.50	23.62	27.56	11.81	32.48	-	-	-
6	2.24	9.50	25.59	29.72	11.81	36.02	-	-	-
8	2.24	11.75	28.54	36.22	15.75	43.31	-	-	-
10	2.24	14.25	31.89	41.14	15.75	50.79	44.49	12.20	19.69
12	2.99	17.00	-	-	-	56.10	51.97	12.20	19.69
14	2.99	18.75	-	-	-	60.63	56.69	12.99	19.69
16	3.50	21.25	-	-	-	70.87	62.69	12.99	19.69
18	3.50	22.75	-	-	-	77.95	69.69	12.99	19.69
20	4.49	25.00	-	-	-	86.61	81.30	12.99	19.69
24	4.49	29.50	-	-	-	99.61	94.49	12.99	19.69

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



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