



Valves & Controls

KNIFE GATE VALVE



CATALOGUE MODEL

KGB 700

- Bi – Directional Sealing
- Full Port Design
- Stainless Steel Blade
- Heavy Duty construction

KGU700 Knife Gate Valve

Precision Flow Control Solutions



Product Overview

The **KGB700** is a Bi-directional knife gate valve designed for general purpose on/off service and isolation of clean, dirty, corrosive, abrasive, viscous liquids, suspended solids, and high-temperature media

Product Features

- Clevis Design:** Horizontal bolting stabilizes the gate ensuring proper alignment
- Gland Sealing:** Standard multi-layer square packing provides exceptional gland sealing (Optional energized quad seal available)
- Single Piece Cast Body:** Welded jams ensure proper gate closure leading to proper media flow with low pressure drop
- Seat Options:** Standard integral metal seat and optional replaceable zero leakage resilient seats
- Self-Draining Body:** Unique body design with no dead pockets enables self-draining

Target Industries

Engineered for robust and demanding process environments across multiple industrial sectors:

Waste Water	Power
Refinery	Pulp & Paper
Chemical	Food Process

Design & Testing Standards

Face to Face	MSS-SP-81
Design	MSS-SP-81
Testing	MSS-SP-81

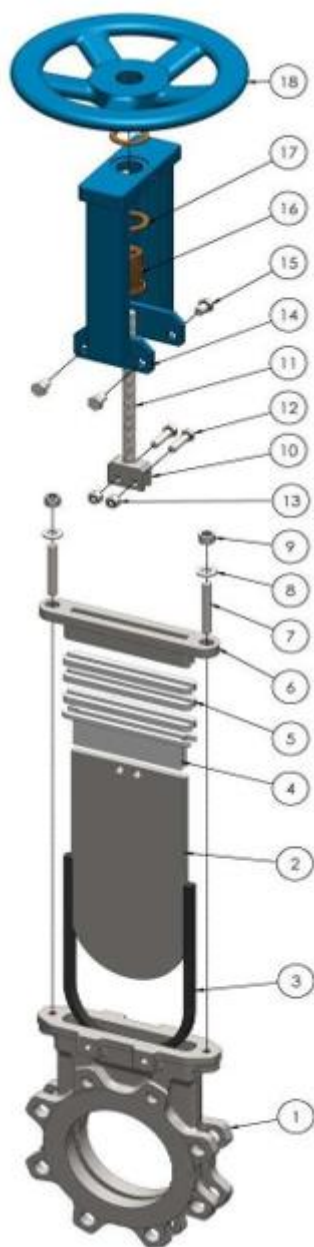
TECHNICAL SPECIFICATIONS

Size Range	DN50 – DN1000	Body*	WCB Cast Steel
Body Style	Single Piece	Gate & Stem*	SS304
End Connection	Wafer / Lugged	Seat*	Nitrile
Pressure Rating	DN50-DN600 PN10 DN750-DN900 PN7 DN1000 PN2	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

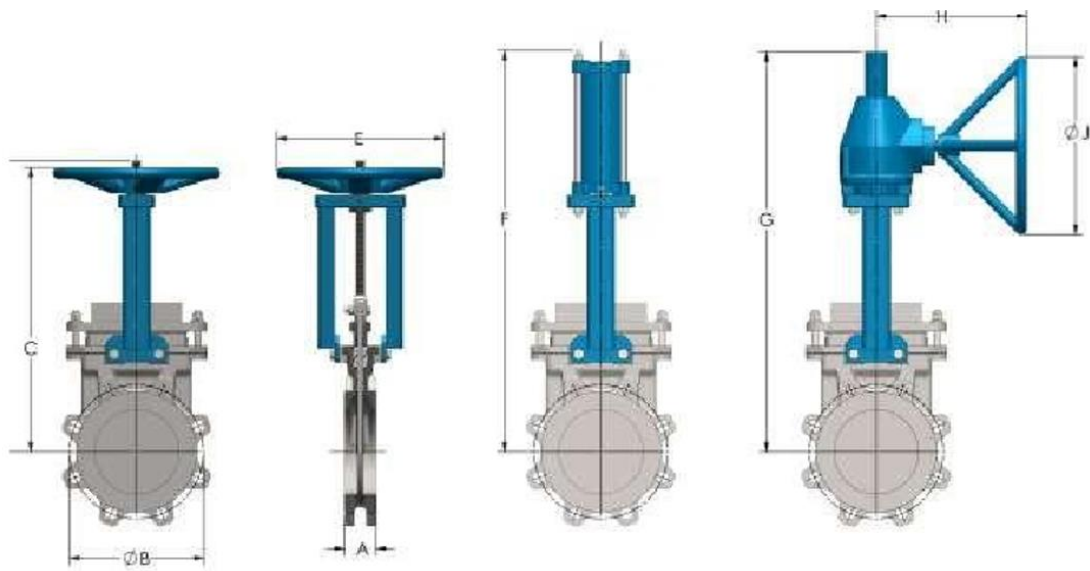
Bill of Materials (Parts List)

Standard materials of construction are provided below to cover typical industrial applications. However, SparkMed 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	WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Seal	Nitrile/EPDM/Viton
4	Gland Packing	PTFE
5	Stud	CS / SS
6	Gland	WCB / CF8 / CF8M
7	Washer	CS / SS
8	Nut	CS / SS
9	Clevis	SS304 / SS316
10	Stem	SS304 / SS316
11	Clevis bolt	SS316
12	Clevis nut	SS316
13	Yoke fab	MS / SS
14	Body mounting bolt	CS / SS
15	Stem nut	Brass
16	Thrust washer	Brass
17	Hand wheel	CI / CS

Dimensional Data

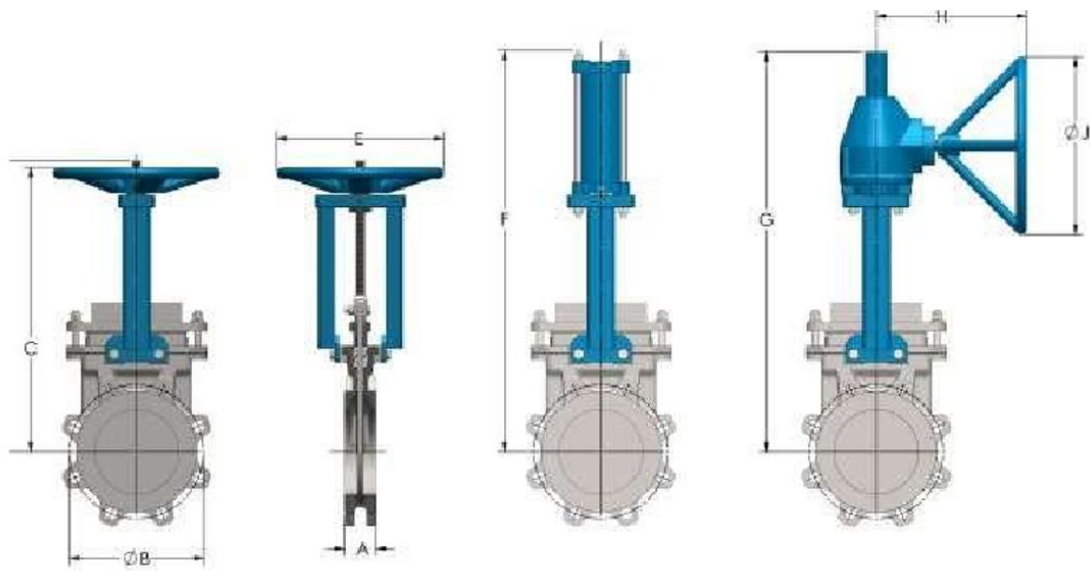


Dimensions (Metric mm)

Valve Size (DN)	A	*B	C	D	E	F	G	H	J
2"	48	120.7	375	400	250	520	-	-	-
3"	51	152.5	425	500	250	600	-	-	-
4"	51	190.5	500	575	250	680	-	-	-
5"	57	215.9	560	660	300	790	-	-	-
6"	57	241.3	600	725	300	850	750	310	500
8"	70	298.5	650	870	400	1030	880	310	500
10"	70	362	775	1050	400	1225	1110	310	500
12"	76	431.8	880	1200	500	1390	1275	310	500
14"	76	476.3	1000	1360	500	1530	1440	330	500
16"	89	539.8	-	-	-	1670	1540	330	500
18"	89	577.9	-	-	-	1900	1690	330	500
20"	114	635	-	-	-	2080	1920	330	500
24"	114	749.3	-	-	-	2370	2170	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 (Inch)	A	*B	C	D	E	F	G	H	J
2"	1.88	4.75	14.76	15.75	9.84	20.47	-	-	-
3"	2.00	6.00	16.73	19.69	9.84	23.62	-	-	-
4"	2.00	7.50	19.69	22.64	9.84	26.77	-	-	-
5"	2.24	8.50	22.05	25.98	11.81	31.10	-	-	-
6"	2.24	9.50	23.62	28.54	11.81	33.46	29.53	12.2	19.69
8"	2.24	11.75	25.59	34.25	15.75	40.55	34.65	12.2	19.69
10"	2.24	14.25	30.51	41.34	15.75	48.23	43.70	12.2	19.69
12"	2.99	17.00	34.65	47.24	19.69	54.72	50.20	12.2	19.69
14"	2.99	18.75	39.37	53.54	19.69	60.24	56.69	12.99	19.69
16"	3.50	21.25	-	-	-	65.75	60.63	12.99	19.69
18"	3.50	22.75	-	-	-	74.80	66.54	12.99	19.69
20"	4.49	25.00	-	-	-	81.89	75.59	12.99	19.69
24"	4.49	29.50	-	-	-	93.31	85.43	12.99	19.69

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

SparkMed Valves & Controls

Thank you for exploring our SparkMed Valves & Controls catalog. At our ISO-certified manufacturing facility in Coimbatore, India, we pride ourselves on precision, world-class quality, and reliability for process industries worldwide.

Extensive Product Range: Our portfolio includes precision Knife Gate valves designed for all demanding services—including slurry, paper & pulp—alongside all types of Butterfly valves

World-Class Manufacturing: Leveraging our state-of-the-art production setup, we ensure every valve meets the highest standards of performance, durability, and operational safety.

Custom Engineering: We specialize in producing bespoke, custom-designed valve solutions tailored precisely to your unique specifications, pressure ratings, and plant requirements.

Contact our dedicated sales and support team today to discuss your valve requirements, custom engineering projects, or global sourcing needs.



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