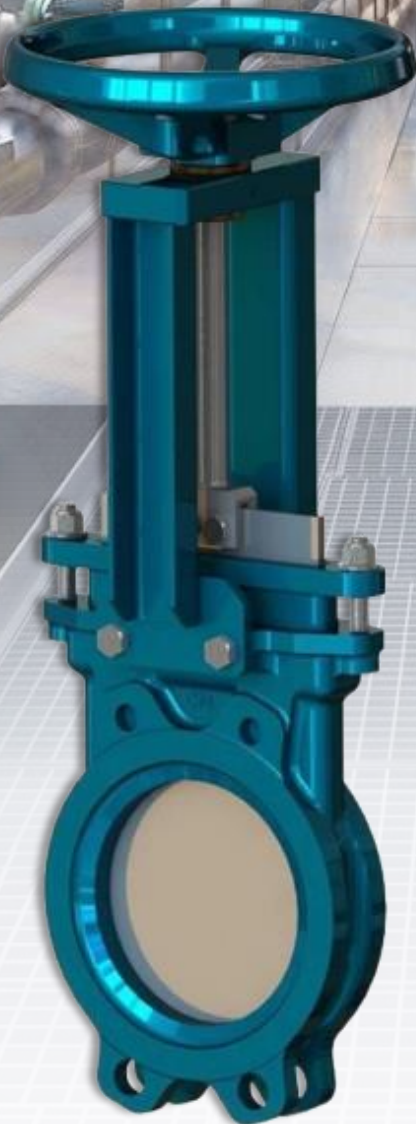




Valves & Controls

KNIFE GATE VALVE



CATALOGUE MODEL

KGU 500

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

www.sparkmedls.com

KGU 500 Knife Gate Valve

Precision Flow Control Solutions



Product Overview

The **KGU 500** is a uni-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

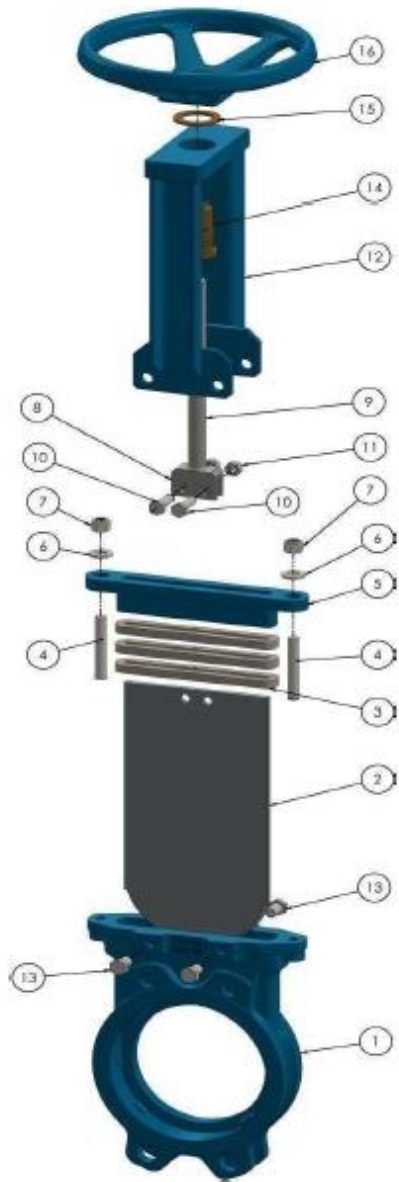
Size Range	DN50 – DN1000	Body*	Cast Iron/Steel
Body Style	Single Piece	Gate & Stem*	SS304
End Connection	Wafer / Lugged	Seat*	Metal/Elastomer
Pressure Rating	DN50-DN600 PN10 DN750-DN900 PN7 DN1000 PN2	Flange Drilling Options	ASME B16.5 EN1092 BS10 Tab D&E AS2129 D&E JIS 10K

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

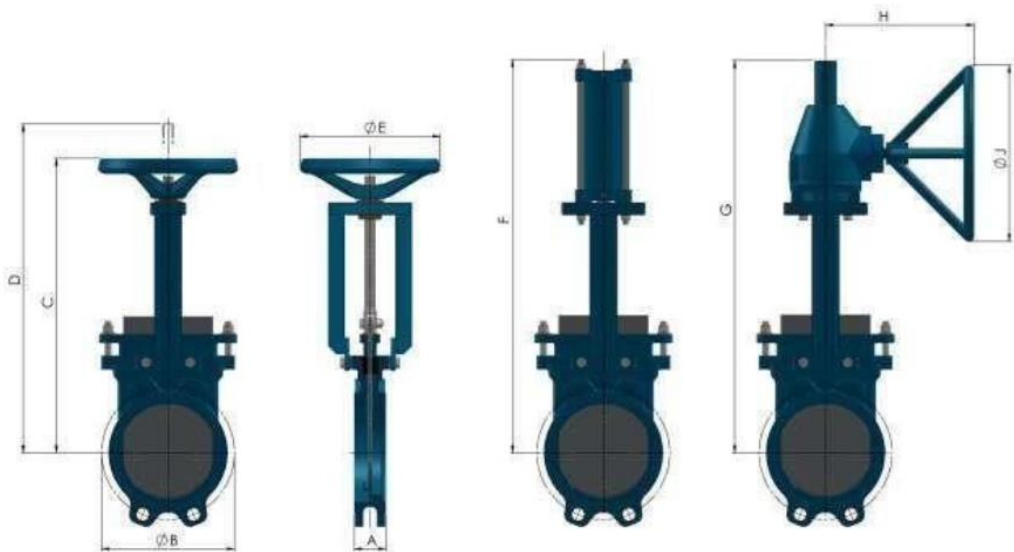
Bill of Materials (Parts List)

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	CI / DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Packing	PTFE / GRAPHITE
4	Stud	CS / SS
5	Gland	DI / WCB / CF8 / CF8M
6	Washer	CS / SS
7	Nut	CS / SS
8	Clevis	SS304 / SS316
9	Stem	SS304 / SS316
10	Clevis bolt	SS316
11	Clevis nut	SS316
12	Yoke fab	CS / SS
13	Body mounting bolt	CS / SS
14	Stem nut	Brass
15	Thrust washer	Brass
16	Hand wheel	CI / CS



Dimensional Data



Valve Size (DN / Inch)	Face to Face (A)	Bolt Circle (*B)	Height C	Height D	Handwheel (E)
50 mm / 2"	48 mm / 1.88"	120.7 mm / 4.75"	340 mm / 13.39"	365 mm / 14.37"	200 mm / 7.87"
80 mm / 3"	51 mm / 2.00"	152.5 mm / 6.00"	400 mm / 15.75"	470 mm / 18.50"	200 mm / 7.87"
100 mm / 4"	51 mm / 2.00"	190.5 mm / 7.50"	450 mm / 17.71"	550 mm / 21.65"	200 mm / 7.87"
150 mm / 6"	57 mm / 2.24"	241.3 mm / 9.50"	540 mm / 21.26"	680 mm / 26.77"	250 mm / 9.84"
200 mm / 8"	70 mm / 2.24"	298.5 mm / 11.75"	640 mm / 25.19"	840 mm / 33.07"	300 mm / 11.81"
300 mm / 12"	76 mm / 2.99"	431.8 mm / 17.00"	790 mm / 31.10"	1110 mm / 43.70"	400 mm / 15.75"
400 mm / 16"	89 mm / 3.50"	539.8 mm / 21.25"	960 mm / 37.80"	1365 mm / 53.74"	500 mm / 19.69"
500 mm / 20"	114 mm / 4.49"	635.0 mm / 25.00"	1200 mm / 47.24"	1710 mm / 67.32"	500 mm / 19.69"
600 mm / 24"	114 mm / 4.49"	749.3 mm / 29.50"	1400 mm / 55.11"	2010 mm / 79.13"	500 mm / 19.69"

* In conformance with ASME B16.5, Class 150 for sizes NPS 2(DN50) through NPS24 (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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