

RHINO GATE™

**KNIFE GATE
VALVES**

RGU 100



rhinoflexvalves.in

KNIFE GATE VALVES

RGU 100

RGU100 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.

- Clevis design and horizontal bolting stabilizes gate ensuring proper alignment.
- Standard multi-layer square packing provides exceptional gland sealing.
- Optional energized quad seal packing for enhanced gland sealing.
- Standard integral metal seat and optional replaceable zero leakage resilient seats.
- Gate design ensures consistent alignment throughout the length of the stroke.
- Unique body design with no dead pockets enables self-draining of valve.
- Single Piece Cast body with welded jams to ensure proper Gate closure leading to proper media flow with low pressure drop.

Industries

- Waste Water
- General Industrial
- Pulp & Paper
- Power
- Chemical
- Food

Technical Specifications

Size range *	DN50-DN1000
Body style	Single piece
End Connection	Wafer 2 Lug
Pressure rating	DN50-600 - PN10 DN750-900 - PN7 DN1000 - PN2
Drilling *	ASME B16.5 #150 EN1092 PN10 & 16 BS10 Table D&E AS2129 Table D&E JIS10K
Face to Face	MSS-SP-81
Design Std.	MSS-SP-81
Testing Std.	MSS-SP-81

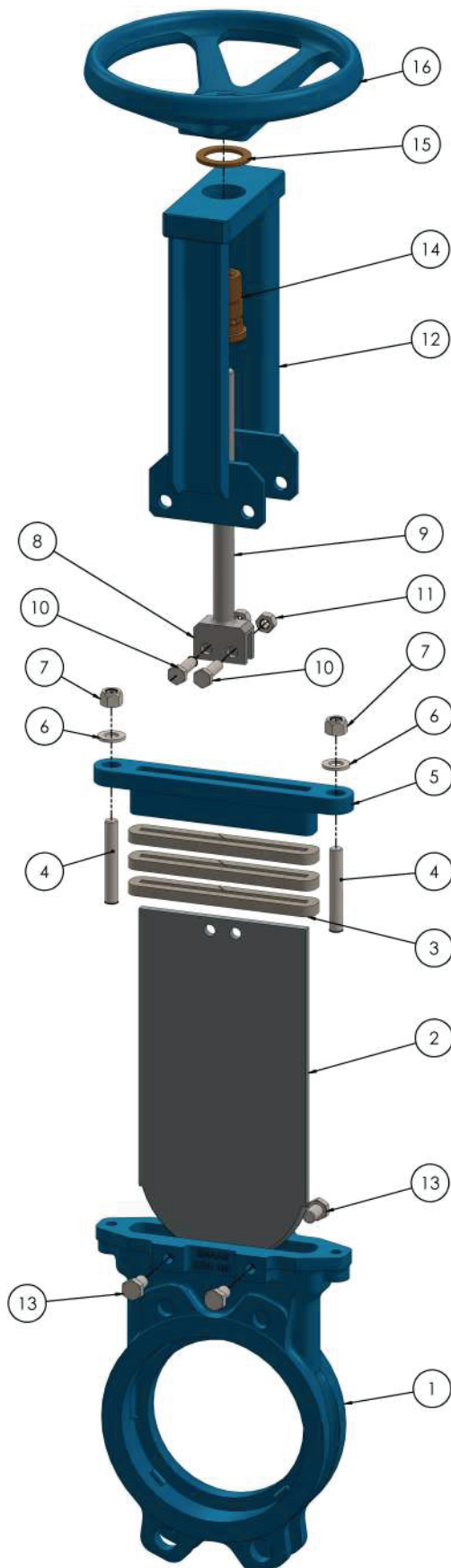
Standard MOC Option

Body *	Cast Iron / Steel
Gate *	SS304
Seat *	Metal / Elastomer
Stem *	SS304

***Other Materials on request**

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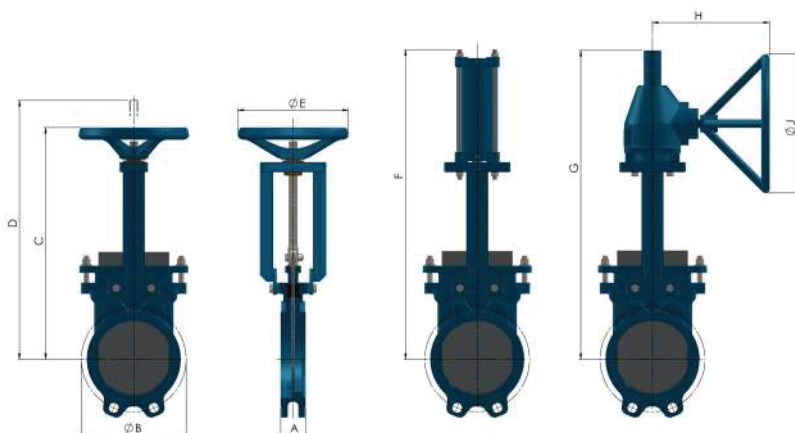


Item No.	Description	Material of Construction
1	Body	CI / DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Packing	PTFE / GRAPHITE
4	Stud	CS / SS
5	Gland	DI / WCB / CF8 / CF8M
6	Washer	CS / SS
7	Nut	CS / SS
8	Clevis	SS304 / SS316
9	Stem	SS304 / SS316
10	Clevis bolt	SS316
11	Clevis nut	SS316
12	Yoke fab	CS / SS
13	Body mounting bolt	CS / SS
14	Stem nut	Brass
15	Thrust washer	Brass
16	Hand wheel	CI / CS

* Other Materials on request

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Dimensions in mm

Valve Size	A	*B	C	D	E	F	G	H	J
50	48	120.7	340	365	200	500	-	-	-
80	51	152.5	400	470	200	590	-	-	-
100	51	190.5	450	550	200	660	-	-	-
125	57	215.9	500	620	250	730	-	-	-
150	57	241.3	540	680	250	820	-	-	-
200	70	298.5	640	840	300	1000	930	310	500
250	70	362	700	970	400	1140	1060	310	500
300	76	431.8	790	1110	400	1310	1230	310	500
350	76	476.3	870	1230	500	1400	1290	330	500
400	89	539.8	960	1365	500	1620	1425	330	500
450	89	577.9	1090	1560	500	1800	1620	330	500
500	114	635	1200	1710	500	1950	1770	330	500
600	114	749.3	1400	2010	500	2300	2070	330	500

Dimensions in inch

Valve Size	A	*B	C	D	E	F	G	H	J
2	1.88	4.75	13.39	14.37	7.87	19.69	-	-	-
3	2.00	6.00	15.75	18.5	7.87	23.22	-	-	-
4	2.00	7.50	17.71	21.65	7.87	25.98	-	-	-
5	2.24	8.50	19.69	24.4	9.84	28.74	-	-	-
6	2.24	9.50	21.26	26.77	9.84	32.28	-	-	-
8	2.24	11.75	25.19	33.07	11.81	39.37	36.61	12.2	19.69
10	2.24	14.25	27.56	38.19	15.75	44.88	41.73	12.2	19.69
12	2.99	17.00	31.1	43.7	15.75	51.57	48.43	12.2	19.69
14	2.99	18.75	34.25	48.42	19.69	55.11	50.79	12.99	19.69
16	3.50	21.25	37.8	53.74	19.69	63.78	56.1	12.99	19.69
18	3.50	22.75	42.91	61.47	19.69	70.87	63.78	12.99	19.69
20	4.49	25.00	47.24	67.32	19.69	76.77	69.69	12.99	19.69
24	4.49	29.50	55.11	79.13	19.69	90.55	81.49	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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