

RHINOTM GATE

Knife Gate Valves

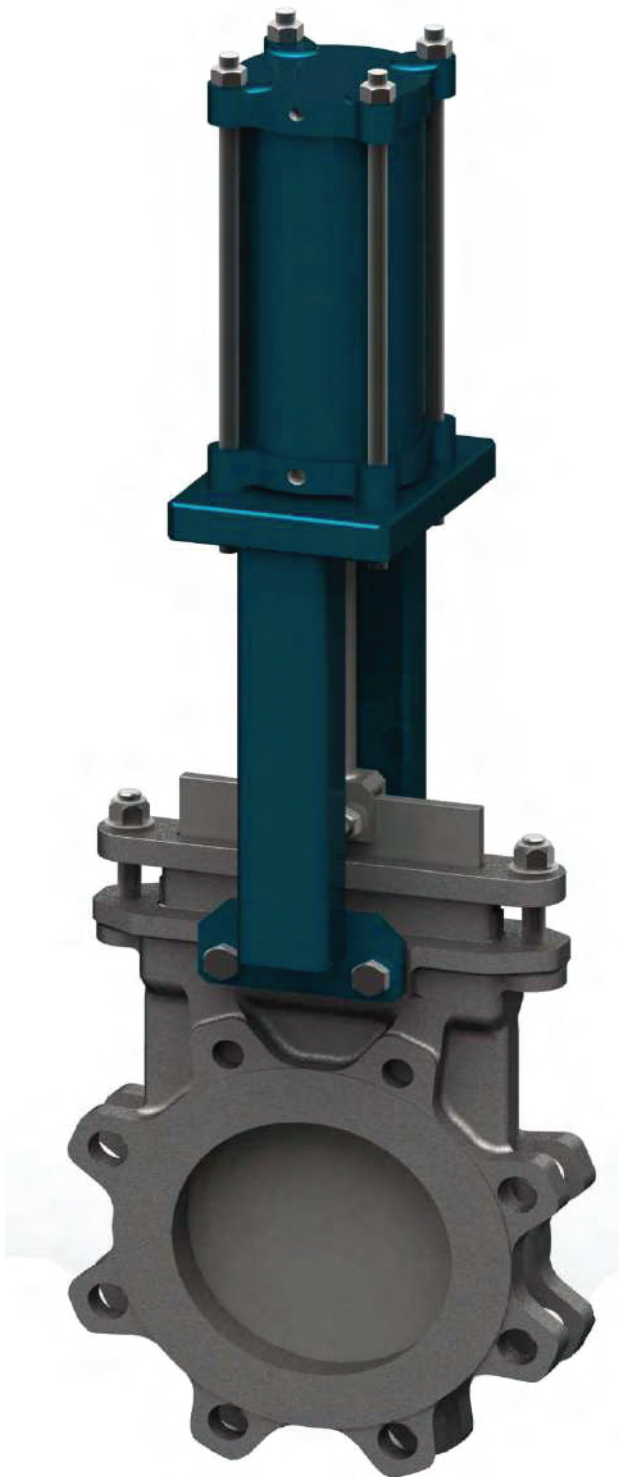


The search is overTM

RHINO GATE™

**KNIFE GATE
VALVES**

RGB700



rhinoflexvalves.in

KNIFE GATE VALVES

RGB700

RGB700 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.

- 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.
- Gland/Packing sealer for sizes up to 12" and PTFE anti-extrusion ring for sizes 14" and above.
- Gate design ensures consistent alignment throughout the length of the stroke.
- Unique body design with no dead pockets enables self-draining of valve.
- Unrestricted flow path with minimal pressure drop achieved through full port valve design.
- Replaceable flexible wire reinforced elastomer peripheral Sealing ensures bidirectional zero leakage shutoff.

Industries

- Waste Water
- Pulp & Paper
- Power
- Chemical
- Mining

Technical Specifications

Size range *	DN50-DN600
Body style	Single piece
End Connection	Wafer full Lug
Pressure rating	PN10
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

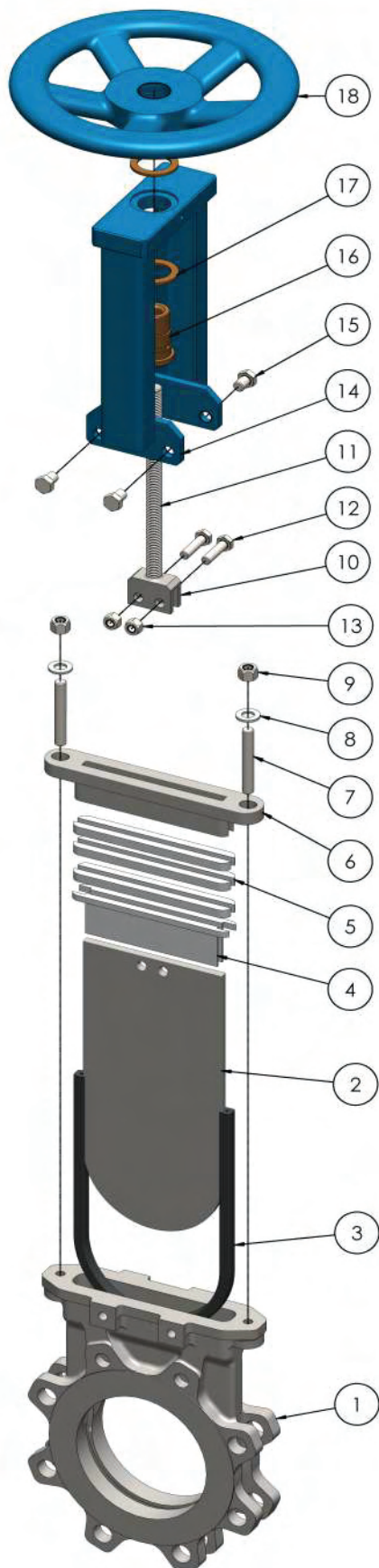
Standard MOC Option

Body *	WCB
Gate *	SS304
Seat *	Nitrile
Stem *	SS304

***Other Materials on request**

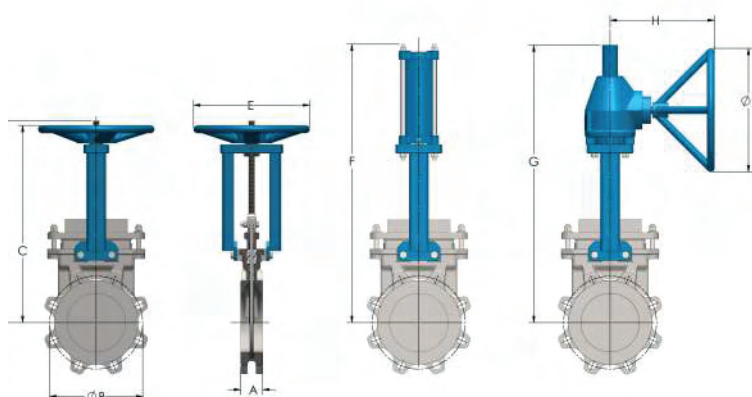
KNIFE GATE VALVES

RGB700



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

* Other Materials on request



Dimensions in mm

Valve Size	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

Dimensions in inch

Valve Size	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).

RHINOFLEX INDIA PRIVATE LIMITED

SM-430, 2nd Gate Industrial Estate Near Flowserve Microfinish Gokul Road, Hubballi-580023 Karnataka, India

Web: www.rhinoflexvalves.in

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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

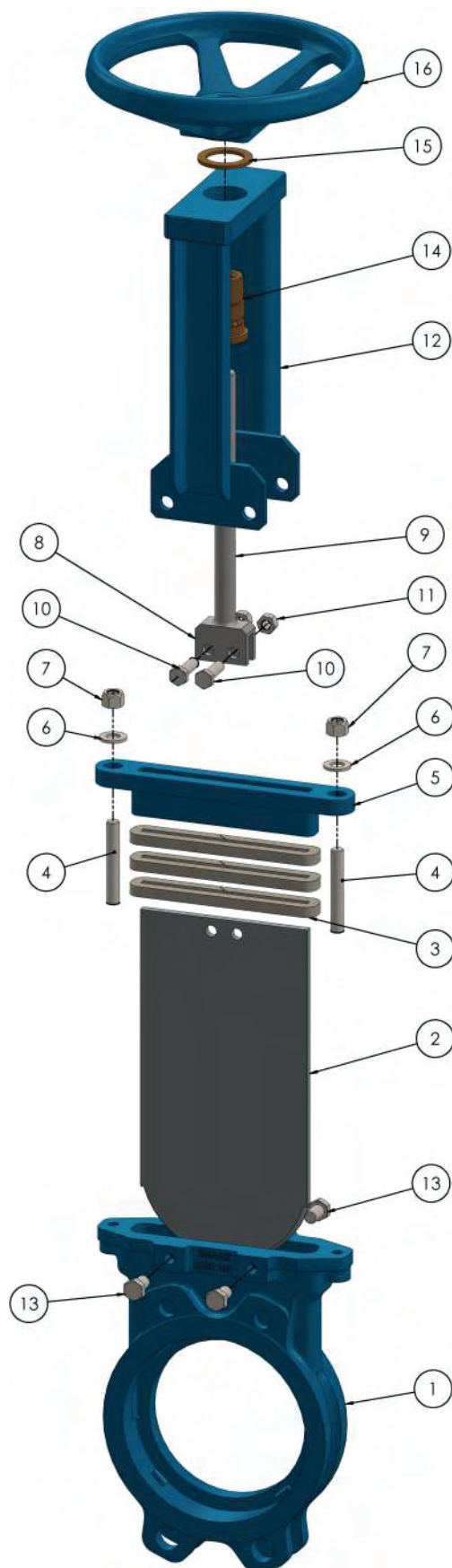
Standard MOC Option

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

*Other Materials on request

KNIFE GATE VALVES

RGU 100

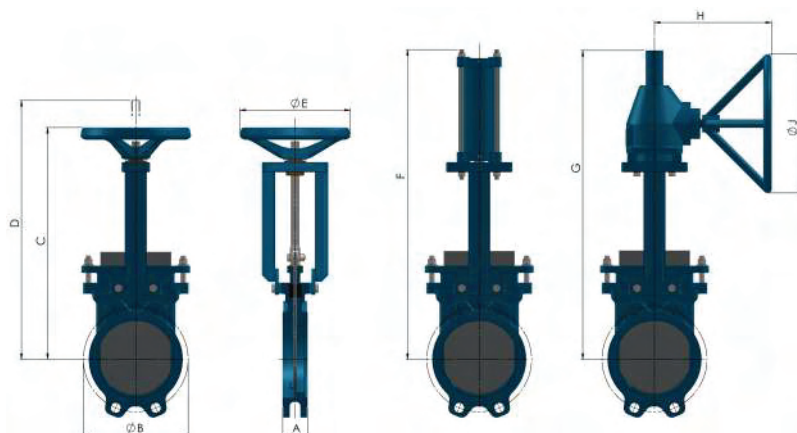


Item No.	Description	Material of Construction
1	Body	CI / DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Packing	PTFE / GRAPHITE
4	Stud	CS / SS
5	Gland	DI / WCB / CF8 / CF8M
6	Washer	CS / SS
7	Nut	CS / SS
8	Clevis	SS304 / SS316
9	Stem	SS304 / SS316
10	Clevis bolt	SS316
11	Clevis nut	SS316
12	Yoke fab	CS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

* Other Materials on request

KNIFE GATE VALVES

RGU 100



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).

RHINO FLEX INDIA PRIVATE LIMITED

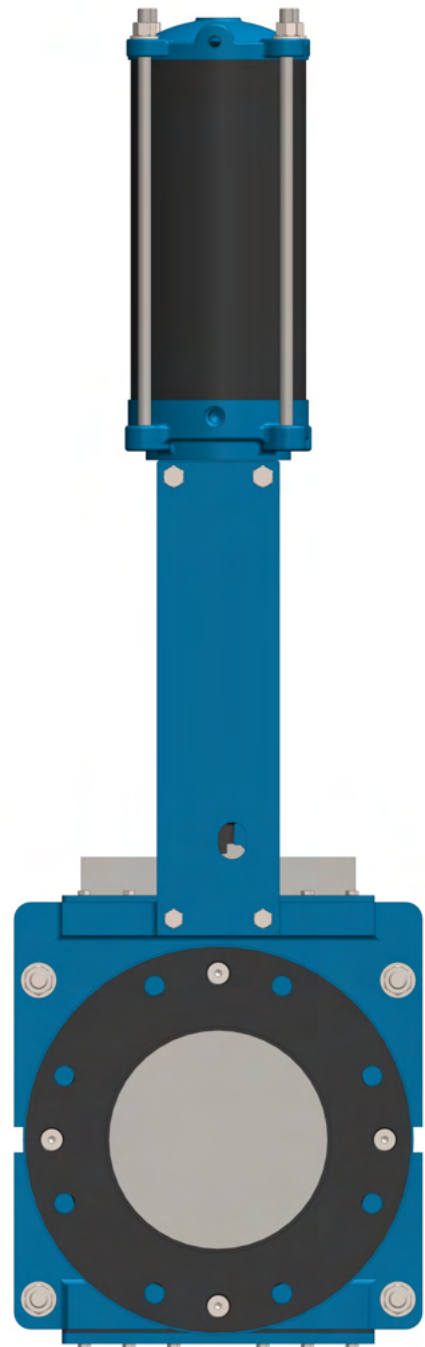
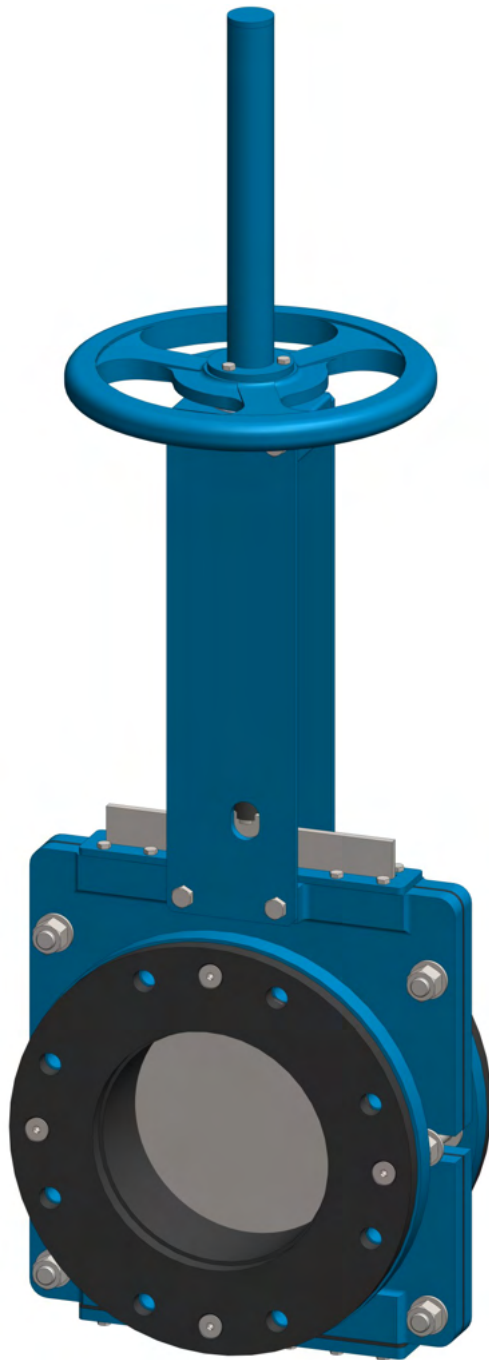
SM-430, 2nd Gate Industrial Estate Near Flowserve Microfinish Gokul Road, Hubballi-580023 Karnataka, India

Web: www.rhino flex valves.in

Email: sales@rhino flex valves.in

SLURRY KNIFE GATE

RLB200



SLURRY KNIFE GATE VALVES

RLB200

RLB200 is a bi-directional slurry valve, designed for slurry applications. Twin elastomer sleeves and push-through gate design facilitate self-cleaning and prevent media build up.

The Ductile Iron body is offered in a two-piece bolted flange style. When fully open, the valve is full bore, provides high flow rates with low pressure drop.

- Protective stem cover is standard in all models, increasing cycle life in hazardous environments.
- Dual, embedded spring steel reinforced, elastomer sleeves providing dynamically corrected sealing for Zero Leakage.
- In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media.
- Gate available in a wide range of corrosion resistant alloys to suit the pressure rating and application.
- The design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve.
- Flanged two-piece bolted body allows for easy maintenance and is drilled and tapped to country standards.
- Optional bottom flush plate with tapped ports, allows for safe discharge of media and easy flush water connection.
- When mounted between pipeline flanges, sleeves are compressed. Thus creating a tight sealing and allowing the Gate to travel smoothly during Opening & Closing.
- Split superstructure helps in removal of complete Gate assembly only by removing pneumatic cylinder fasteners.

Industries

- Mining & Minerals
- Power
- Alumina
- Chemical

Technical Specifications

Size range *	DN80-DN600
Body style	Two piece bolted
End Connection	Flanged
Pressure rating	CWP-7 & CWP-10
Drilling *	ASME B16.5 #150 PN10
Face to Face	Manufacturer's Std.
Design Std.	Manufacturer's Std.
Testing Std.	Manufacturer's Std.

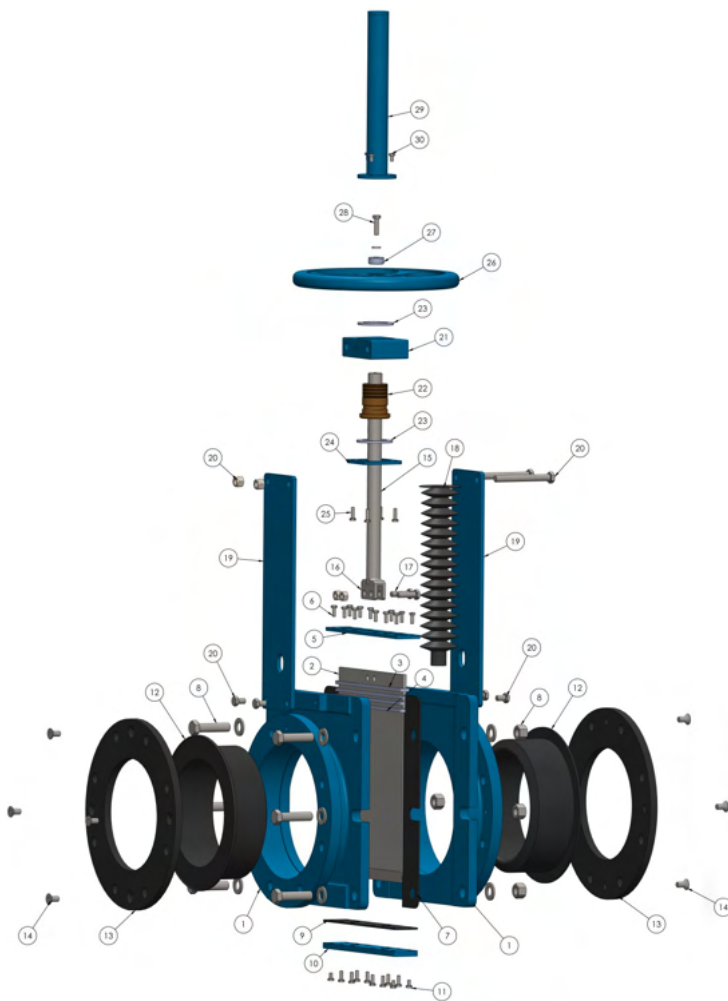
Standard MOC Option

Body *	Ductile Iron
Gate *	SS304/SS316/2205
Seat *	Natural Rubber
Stem *	SS304

***Other Materials on request**

SLURRY KNIFE GATE VALVES

RLB200

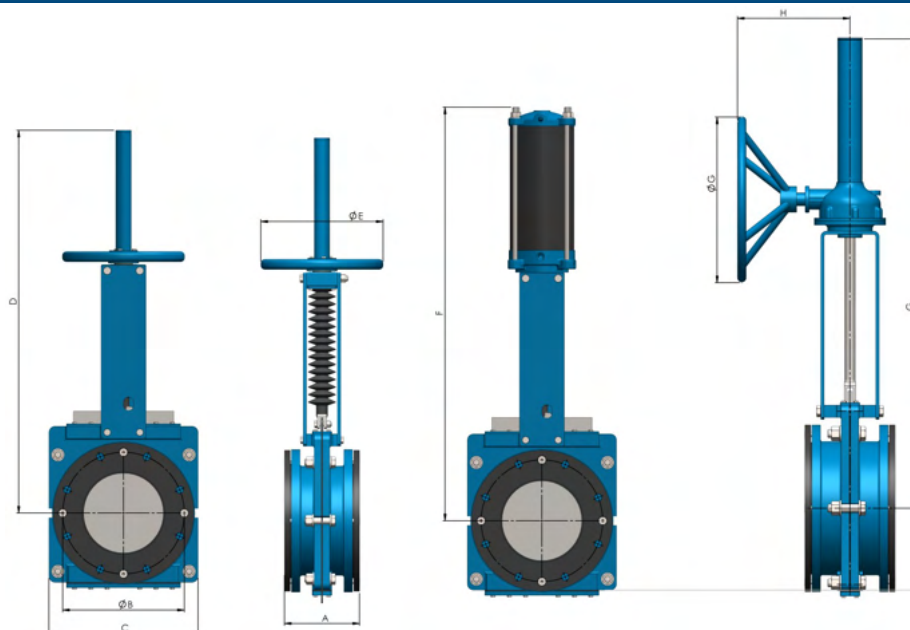


Item No.	Description	Material of Construction
1	Body	DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Gland Packing	PTFE, Graphite & Aramide Combination
4	Scraper	Polyurethane
5	Gland Plate	CS / SS
6	Fasteners (Gland)	CS / SS
7	Body Gasket	EPDM
8	Fasteners (Body)	CS / SS
9	Drain Plate Gasket	EPDM
10	Drain Plate	CS / SS
11	Fasteners (Drain Plate)	CS / SS
12	Seat	NR / EPDM
13	Seat Retainer	CS + NR / EDPM
14	Fasteners (Retainer)	CS / SS
15	Stem	SS304 / SS316
16	Clevis	SS
17	Fasteners (Clevis)	SS
18	Stem Bellows	Canvas / Leather
19	Structure	CS
20	Fasteners (Structure)	CS / SS
21	Collar	CS
22	Stem Nut	Brass / Al Bronze
23	Thrust Bearing	SS
24	Bracket(Bellows)	CS
25	Fasteners (Bellows)	CS
26	Hand Wheel	CI / DI
27/28	Stopper / Fasteners	SS
29 /	Stem Cover / Fas-	CS

* Other Materials on request

SLURRY KNIFE GATE VALVES

RLB200



DIMENSIONS IN MM

VALVE SIZE	A	B	C	D	E	F	G	H	J
50	175	120.7	204	480	250	550	--	--	--
80	175	152.5	228	600	250	660	--	--	--
100	175	190.5	280	620	250	690	--	--	--
150	178	241.3	330	850	300	900	920	280	--
200	184	298.5	406	960	300	1030	1020	280	500
250	226	362	432	1100	400	1180	1130	310	500
300	257	431.8	534	--	--	1310	1230	400	500
350	257	476.3	584	--	--	1480	1380	400	500
400	279	539.8	635	--	--	1620	1460	430	500
450	311	577.9	686	--	--	1800	1710	460	500
500	359	635	736	--	--	1950	1840	460	500
600	372	749.3	864	--	--	2300	2230	500	500

DIMENSIONS IN INCHES

VALVE SIZE	A	B	C	D	E	F	G	H	J
2	6.88	4.75	8.03	18.9	9.84	21.65			
3	6.88	6.00	8.98	23.62	9.84	25.98			
4	6.88	7.50	11.02	24.41	9.84	27.17			
6	7.24	9.50	12.99	33.46	11.81	35.43	36.22	11.02	
8	8.89	11.75	15.98	37.80	11.81	40.55	40.16	11.02	19.69
10	10.11	14.25	17.01	43.31	15.75	46.46	44.49	12.2	19.69
12	10.11	17.00	21.02	--	--	51.57	48.43	15.75	19.69
14	10.98	18.75	22.99	--	--	58.27	54.33	15.75	19.69
16	12.24	21.25	25.00	--	--	63.78	57.48	16.93	19.69
18	14.01	22.75	27.01	--	--	70.87	67.32	18.11	19.69
20	14.64	25.00	28.98	--	--	76.77	72.44	18.11	19.69
24	14.49	29.50	34.02	--	--	90.55	87.80	19.69	19.69

* In conformance with ASME B16.5, Class 150 for sizes NPS 3 (DN80) through NPS 24 (DN600).

RHINO FLEX INDIA PRIVATE LIMITED

SM-430, 2nd Gate Industrial Estate Near Flowserve Microfinish Gokul Road, Hubballi-580023 Karnataka, India

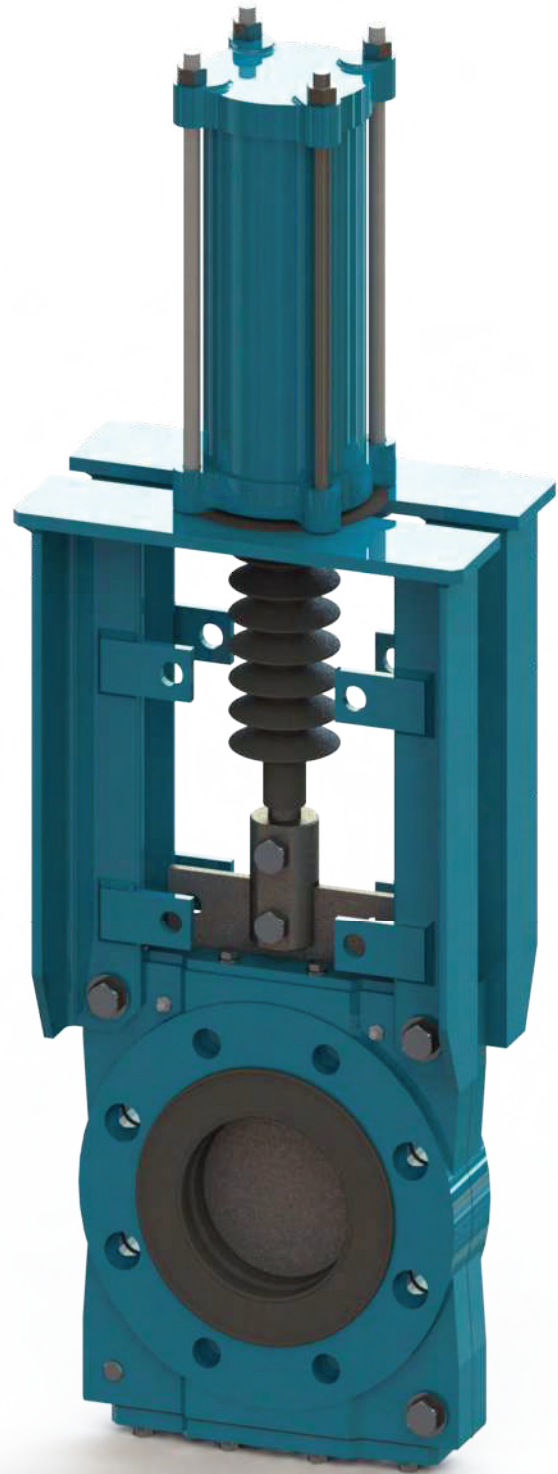
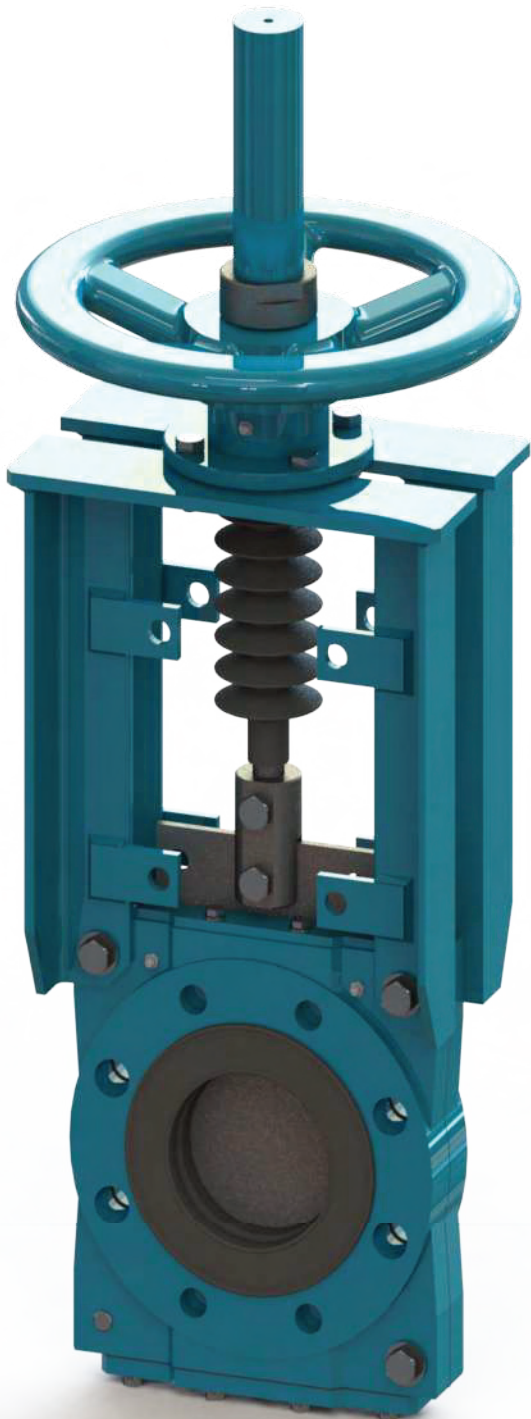
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Email: sales@rhino flex valves.in

RHINOGATE™

**SLURRY
KNIFE GATE
VALVES**

RLB100



rhinoflexvalves.in

RLB100 is a bi-directional slurry valve, designed for high pressure slurry applications. Twin elastomer sleeves and push-through gate design facilitate self-cleaning and prevent media build up.

The durable ductile iron body is offered in a two-piece bolted flange style. When fully open, the valve is full bore, offering no resistance to passing media.

- Upper and lower protective stem cover is standard in all models, increasing cycle life in hazardous environments.
- Fully encapsulated sleeve reinforcement and memory assist, guaranteeing bidirectional zero leakage performance.
- In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media.
- Gate available in a wide range of corrosion resistant alloys to suit the pressure rating and application.
- The design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve.
- Flanged two-piece bolted body allows for easy maintenance and is drilled and tapped to country standards.
- Optional bottom flush plate with tapped ports, allows for safe discharge of media and easy flush water connection.
- When mounted between pipeline flanges, sleeves are compressed. Thus creating a tight sealing and allowing the Gate to travel smoothly during Opening & Closing.
- Split superstructure helps in removal of complete Gate assembly only by removing pneumatic cylinder fasteners.

Industries

- Mining & Minerals
- Power
- Pulp & Paper
- Alumina
- Chemical
- Cement

Technical Specifications

Size range *	DN50-DN600
Body style	Two piece bolted
End Connection	Wafer
Pressure rating	PN10 & PN16
Drilling *	ASME B16.5 #150 EN1092 PN10&16 BS10 Table D&E AS2129 Table D&E JIS10K
Face to Face	Industry Standard
Design Std.	Manufacturer's Std.
Testing Std.	Manufacturer's Std.

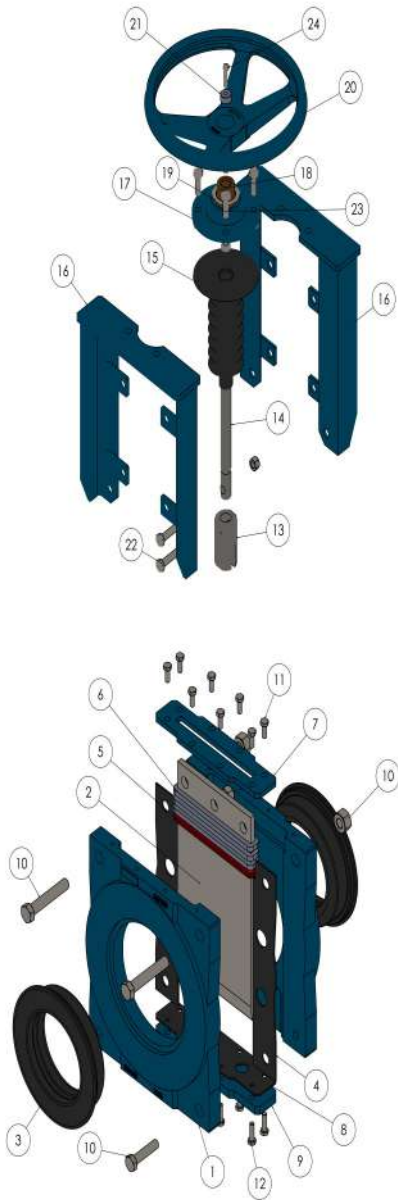
Standard MOC Option

Body *	Ductile Iron
Gate *	SS304
Seat *	Natural Rubber
Stem *	SS304

***Other Materials on request**

SLURRY KNIFE GATE VALVES

RLB100

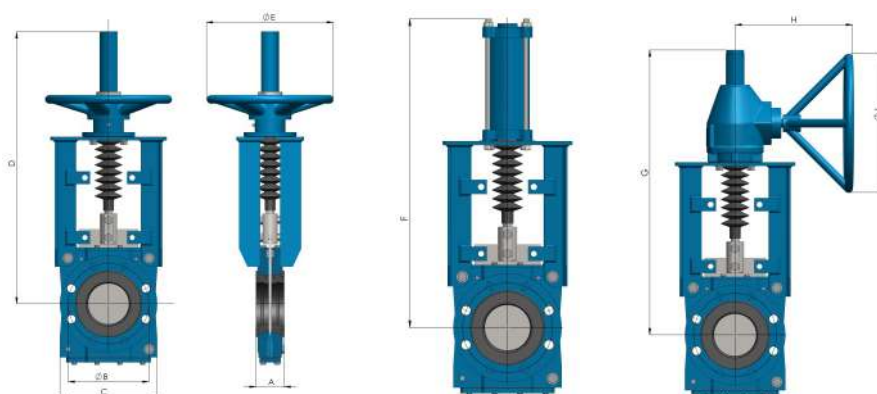


Item No.	Description	Material of Construction
1	Body	DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Seat	Natural rubber / EPDM / Nitrile
4	Packing	PTFE, Graphite & Aramide Combination
5	Gland	WCB / CF8 / CF8M
6	Fasteners (Body)	CS / SS
7	Fasteners (Gland)	CS / SS
8	Clevis	SS
9	Stem	SS304 / SS316
10	Yoke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

* Other Materials on request

SLURRY KNIFE GATE VALVES

RLB100



Dimensions in mm

Valve Size	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

Dimensions in inch

Valve Size	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

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

RHINO FLEX INDIA PRIVATE LIMITED

SM-430, 2nd Gate Industrial Estate Near Flowserve Microfinish Gokul Road, Hubballi-580023 Karnataka, India

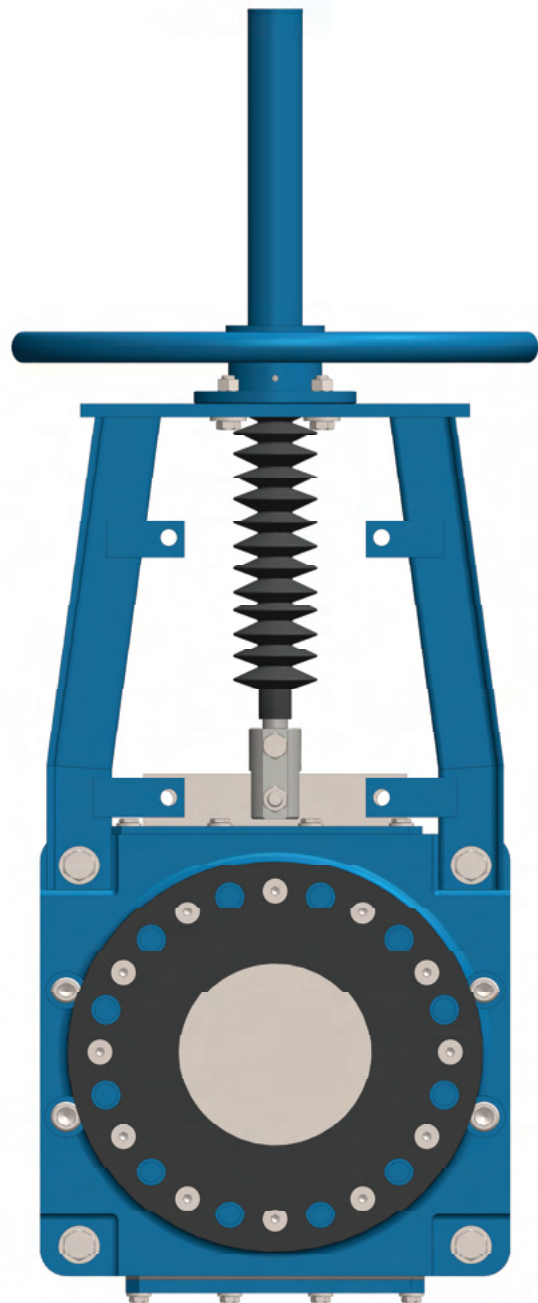
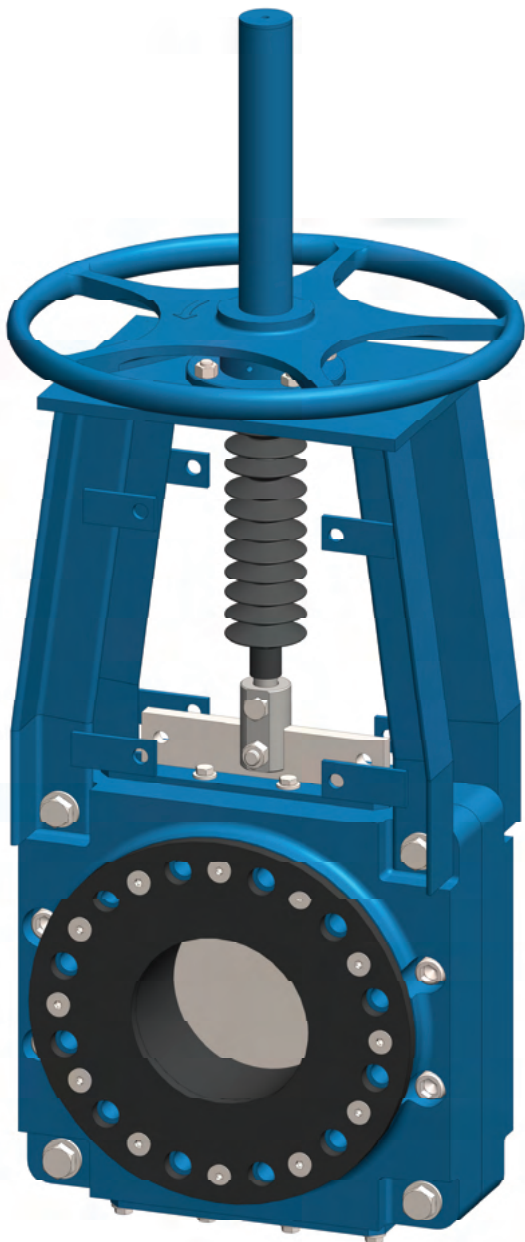
Web: www.rhinoflexvalves.in

Email: sales@rhinoflexvalves.in

SLURRY

RLB300HP

KNIFE GATE



SLURRY KNIFE GATE VALVES RLB300HP

RLB300HP is a bi-directional slurry valve, designed for high pressure slurry applications. Twin elastomer sleeves and push-through gate design facilitate self-cleaning and prevent media build up.

The cast Steel body is offered in a two-piece bolted flange style. When fully open, the valve is full bore, provides high flow rates with low pressure drop.

- Protective stem cover is standard in all models, increasing cycle life in hazardous environments.
- Fully encapsulated sleeve reinforcement and memory assist, guaranteeing bidirectional zero leakage performance.
- In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media.
- Gate available in a wide range of corrosion resistant alloys to suit the pressure rating and application.
- The design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve.
- Flanged two-piece bolted body allows for easy maintenance and is drilled and tapped to country standards.
- Optional bottom flush plate with tapped ports, allows for safe discharge of media and easy flush water connection.
- When mounted between pipeline flanges, sleeves are compressed. Thus creating a tight sealing and allowing the Gate to travel smoothly during Opening & Closing.
- Split superstructure helps in removal of complete Gate assembly only by removing pneumatic cylinder fasteners.

Industries

- Mining & Minerals
- Power
- Alumina
- Chemical

Technical Specifications

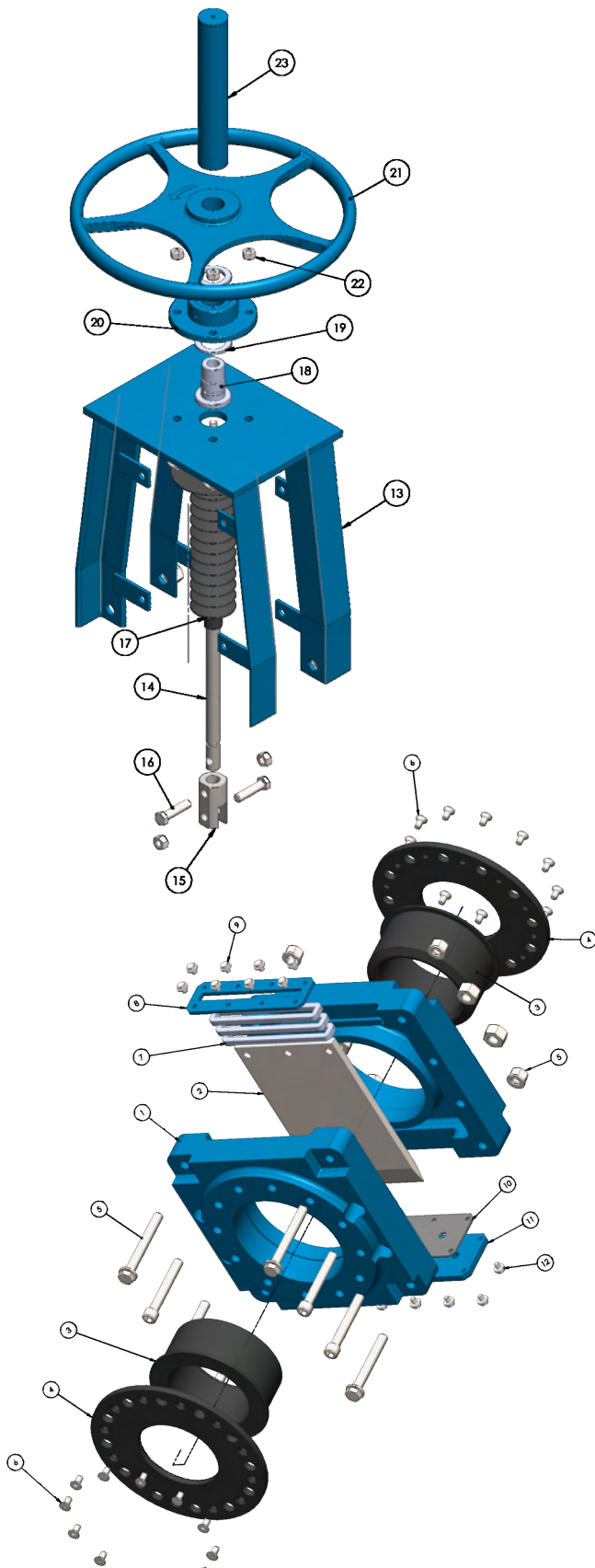
Size range *	DN80-DN600
Body style	Two piece bolted
End Connection	Wafer Flanged
Pressure rating	CWP-20 & CWP-50
Drilling *	ASME B16.5 #150 ASME B16.5 #300
Face to Face	Industry Standard
Design Std.	Manufacturer's Std.
Testing Std.	Manufacturer's Std.

Standard MOC Option

Body *	WCB
Gate *	SS316 / 2205 / 17-4PH
Seat *	Natural Rubber
Stem *	SS304

***Other Materials on request**

RLB300HP

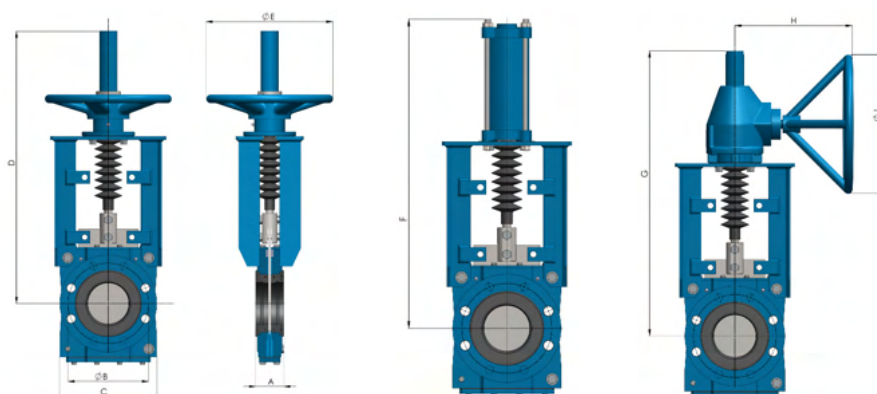


*** Other Materials on request**

Item No.	Description	Material of Construction
1	Body	WCB / CF8 / CF8M
2	Gate	SS316 / 2205 / 17-4PH
3	Seat	Natural rubber / EPDM
4	Seat Retainer	Carbon steel Rubber lined
5	Body mounting fasteners	CS / SS
6	Seat Retainer fasteners	CS / SS
7	Packing	PTFE with Quad ring
8	Gland Plate	Carbon Steel
9	Gland Plate mounting fasteners	CS / SS
10	Drain plate gasket (Body)	EPDM
11	Drain Plate(Gland)	Carbon steel
12	Fasteners (Drain Plate)	CS / SS
13	Super Structure	Carbon steel
14	Stem	SS304 / SS316
15	Clevis / Fork	SS304 / SS316
16	Fasteners (Clevis / Fork)	SS304 / SS316
17	Stem Bellows	Canvas / Leather
18	Stem Nut	Brass
19	Thrust Bearing	SS
20	BRG. Housing	Carbon Steel
21	Hand Wheel	CI / DI
22	Fasteners (Brg. housing)	Carbon Steel
23	Stem Cover	Carbon steel

SLURRY KNIFE GATE VALVES

RLB300HP



Dimensions in mm

Valve Size	A	*B	C	D	E	F	G	H	J
80	176.00	168.30	266.70	520.00	400.00	823.70	720.00	225.00	300.00
100	176.00	200.00	298.50	692.00	400.00	930.60	810.00	225.00	300.00
150	185.00	269.90	362.00	854.00	500.00	1149.80	930.00	240.00	300.00
200	185.00	330.20	425.50	1004.00	500.00	1388.10	1100.00	240.00	500.00
250	226.00	387.40	510.30	-	-	1565.00	1250.00	260.00	500.00
300	258.00	450.80	571.20	-	-	1848.00	1450.00	395.00	500.00
350	258.00	514.40	749.30	-	-	2088.50	1660.00	395.00	500.00
400	279.00	571.50	825.50	-	-	2240.70	1870.00	430.00	600.00
450	321.00	628.60	882.70	-	-	2472.80	2000.00	460.00	600.00
500	367.00	685.80	946.20	-	-	2725.80	2180.00	490.00	600.00
600	370.00	812.80	1130.30	-	-	2946.30	2625.00	540.00	600.00

Dimensions in inch

Valve Size	A	*B	C	D	E	F	G	H	J
3	6.92	6.62	10.50	20.48	16.00	32.43	28.34	8.86	12.00
4	6.92	7.87	11.75	27.27	16.00	36.64	31.88	8.86	12.00
6	7.28	10.62	14.25	33.61	20.00	45.27	36.61	9.45	12.00
8	7.28	13.00	16.75	39.55	20.00	54.65	43.30	9.45	20.00
10	8.91	15.25	20.09	-	-	61.62	49.21	10.24	20.00
12	10.17	17.75	22.49	-	-	72.76	57.08	15.55	20.00
14	10.22	20.25	29.50	-	-	82.22	65.35	15.55	20.00
16	10.98	22.50	32.50	-	-	88.22	73.62	16.93	24.00
18	12.65	24.75	34.75	-	-	97.35	78.74	18.11	24.00
20	14.44	27.00	37.25	-	-	107.31	85.82	19.30	24.00
24	14.56	32.00	44.50	-	-	116.00	103.34	21.26	24.00

* In conformance with ASME B16.5, Class 300 for sizes NPS 3 (DN80) through NPS 24 (DN600).

RHINO FLEX INDIA PRIVATE LIMITED

SM-430, 2nd Gate Industrial Estate Near Flowserve Microfinish Gokul Road, Hubballi-580023 Karnataka, India

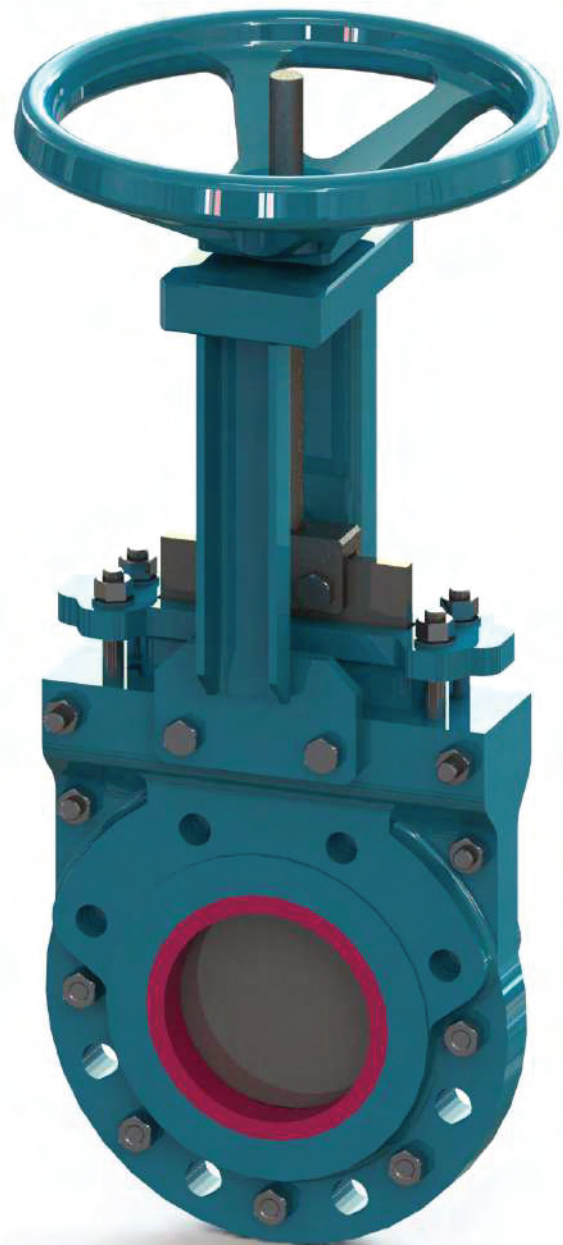
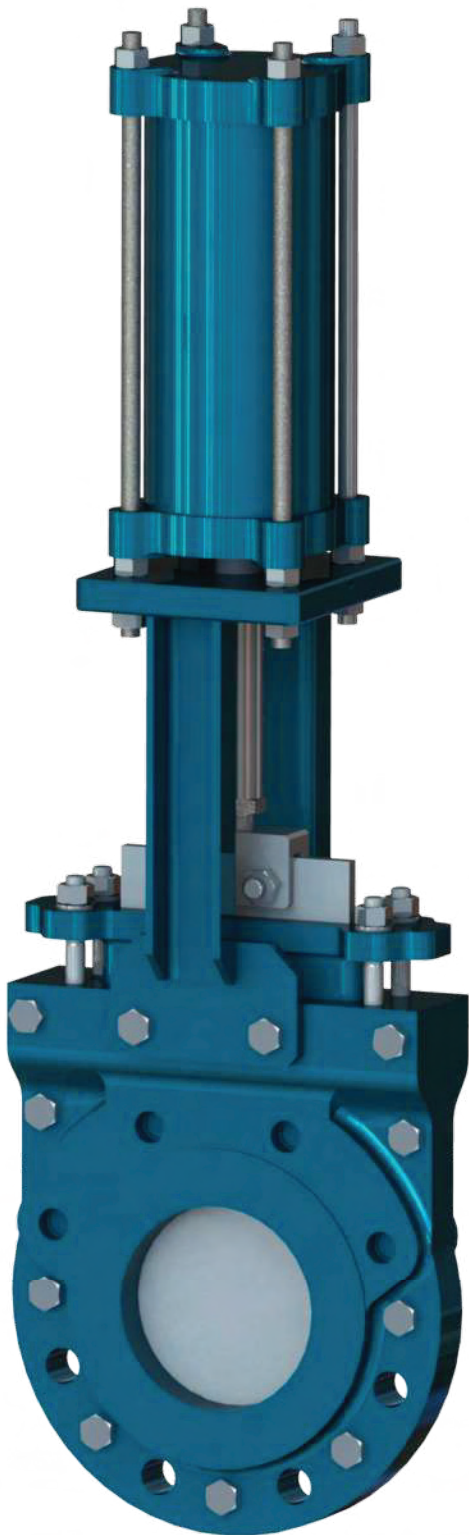
Web: www.rhino flex valves.in

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RHINO GATE™

**KNIFE GATE
VALVES**

**RGB800
RGB801**



rhinoflexvalves.in

KNIFE GATE VALVES

RGB800 & 801

RGB800 is a bi-directional knife gate valve, designed for mild slurry applications. Features a robust steel reinforced perimeter seat which provides zero leakage shutoff. The 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.

- Designed for easy, quick conversion between manual and pneumatic actuation. Featuring a lubricant injection port for continuous, smooth operation with minimal maintenance.
- Clevis design and horizontal bolting stabilizes gate ensuring proper alignment.
- Standard multi-layer square packing with energized Quad seal provides exceptional gland sealing.
- Unrestricted flow path with minimal pressure drop achieved through full port valve design.
- Deflection resistant gate design ensures consistent alignment for industry leading durability.
- Replaceable steel reinforced elastomer perimeter seat ensures bidirectional zero leakage shutoff.
- Two-piece bolted body for easy maintenance and seat replacement.

RGB801 is a bi-directional knife gate valve, designed for mild slurry applications. Features field replaceable polyurethane bore liner making it an economical solution for abrasive applications. Utilizing the same robust steel reinforced perimeter seat as **RGB800** enables bidirectional zero leakage shutoff.

- Polyurethane liner or rubber liner bonded to both halves of the body completely protects valve body from media.
- Polyurethane bore liner or rubber liner provides total protection from abrasive media.

Industries

- Steel
- Mining & Minerals
- Power
- Cement
- Ash slurry

Technical Specifications

Size range *	DN50-DN600
Body style	Two piece bolted
End Connection	Wafer mid flange
Pressure rating	PN10 & PN16
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

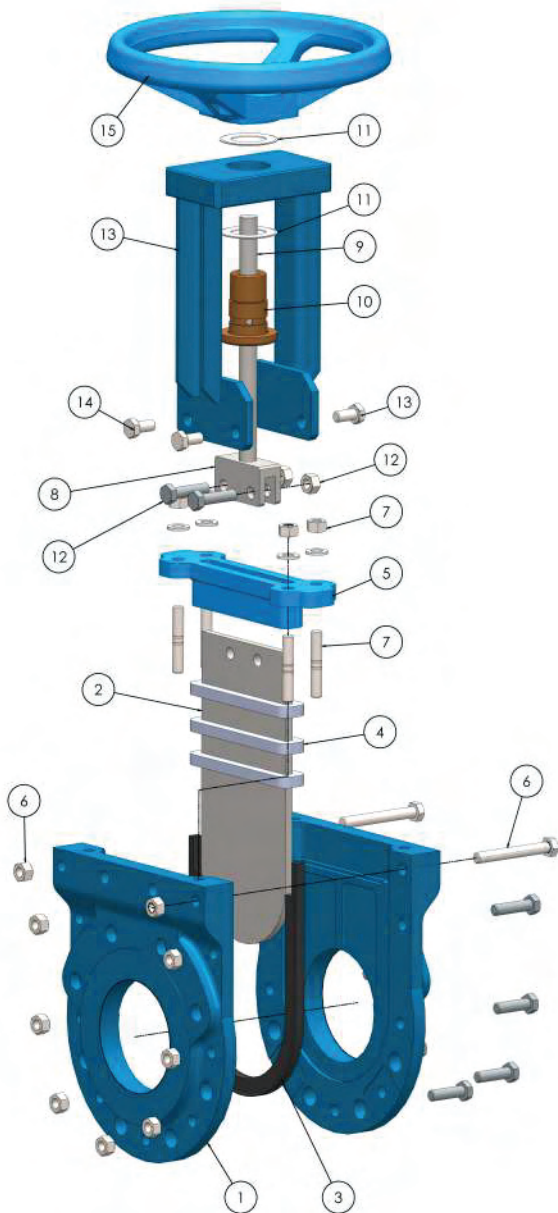
Standard MOC Option

Body *	CI / Steel
Gate *	SS304
Seat *	Nitrile
Stem *	SS304
Option (KGB801)	PU bore liner

*Other Materials on request

KNIFE GATE VALVES

RGB800 & 801

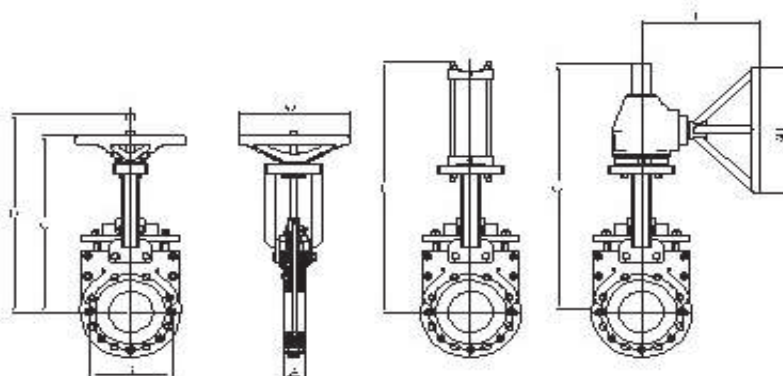


Item No.	Description	Material of Construction
1	Body	CI / DI / WCB / CF8 / CF8M
2	Gate	SS304 / SS316
3	Seat	Nitrile / EPDM / Viton
4	Packing	PTFE
5	Fasteners (Body)	CS / SS
6	Fasteners (Gland)	CS / SS
7	Gland	WCB / CF8 / CF8M
8	Clevis	SS304 / SS316
9	Stem	SS304 / SS316
10	Yoke sleeve	Brass
11	Thrust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

*** Other Materials on request**

KNIFE GATE VALVES

RGB800 & 801



Dimensions in 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

Dimensions in inch

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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