



Your Partner of Flow Control System

GATE ,GLOBE & CHECK VALVE

www.ydfvalve.com

Your Partner of Flow Control System

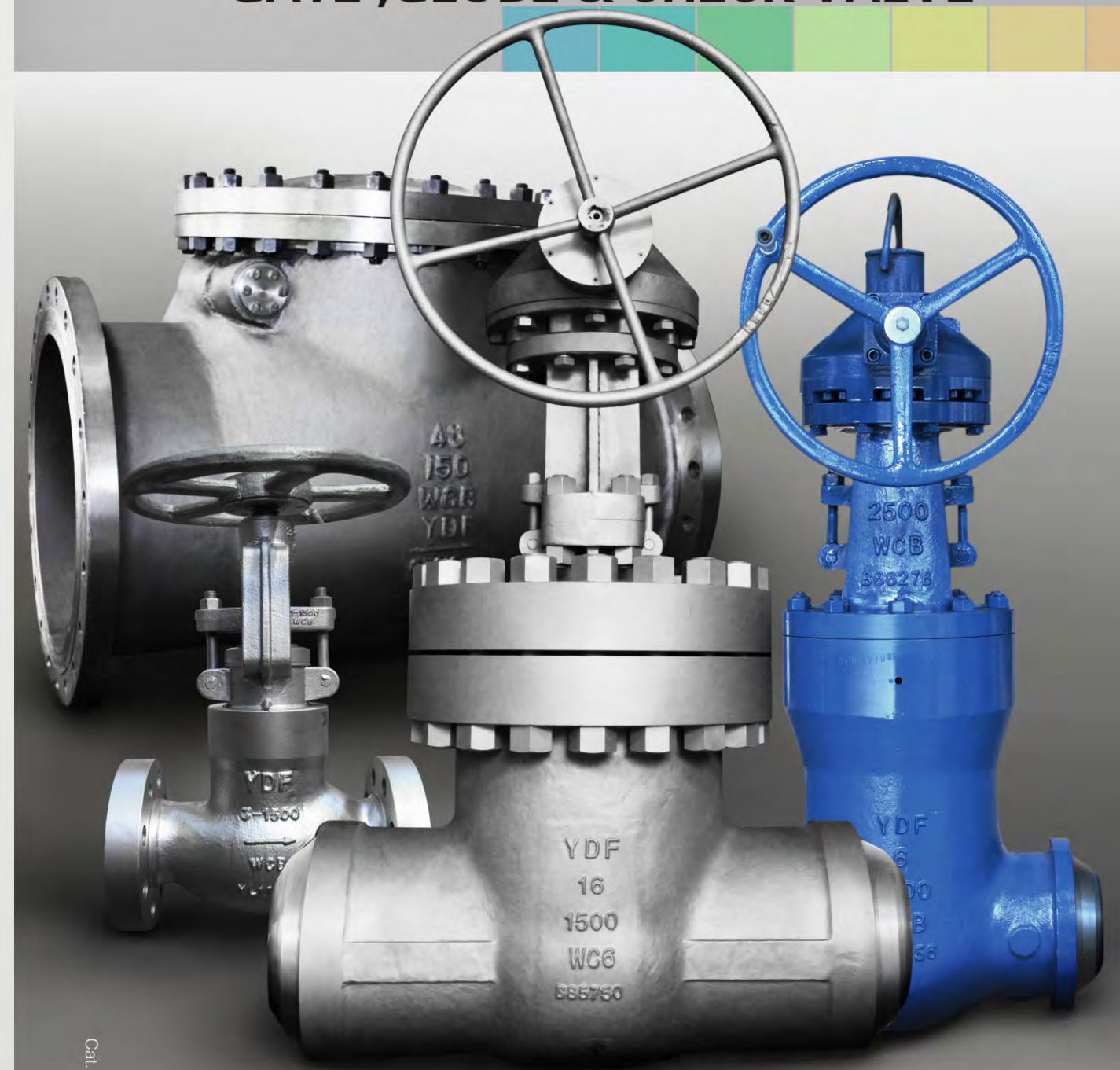
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Cat. YDF-004-R14



YDF VALVES was established in year 1978, as one of the leading valve manufacturers in China, YDF is specialized in the development of innovative design, through intensive R&D programs and a commitment to be a good partner of flow control system.

YDF's main product lines include Ball, Gate, Globe, Check, Butterfly and Power Station valves. These products have been widely used throughout the world in Oil, Gas, Chemical, Refining, Power Generation, Marine and Pipeline Transmission industrial application.

YDF's Facilities

YDF sales headquarter is located in Shanghai, China, and YDF Valves are manufactured in 3 specialized manufacturing plants located in Yancheng City, Jiangsu Province, China , and 2 professional casting foundries located in Binhai City, Jiangsu Province, China. We have a total of 916 employees and 100,000 meter square cover area. YDF has a specialized quality testing center, CNC machine center and places high emphasis on numerous quality testing to ensure our customers receive the highest quality product possible. ERP system bring the real time production to high efficiency. In-house testing capacities include high pressure gas, cryogenic, high temperature, fugitive emission testing etc.

Quality Assurance

YDF's quality assurance is dedicated to supply zero defect valves to customers with reliable service life. Through our quality compliance, we have achieved the following certifications: ISO9001, ISO14001, OASHS18001, CE/PED, ATEX, API 591, API6D, API 624, ABS ,TS and API607/6FA. In years to come, we at YDF will continue to build quality products that meet and exceed our customers' satisfaction.



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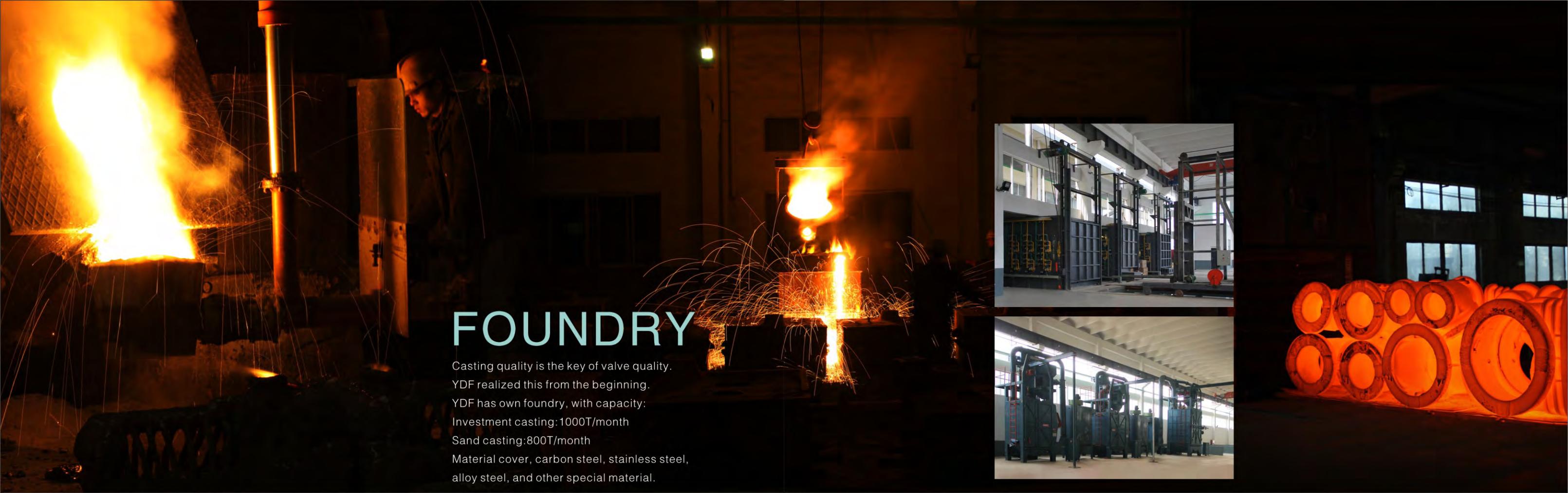
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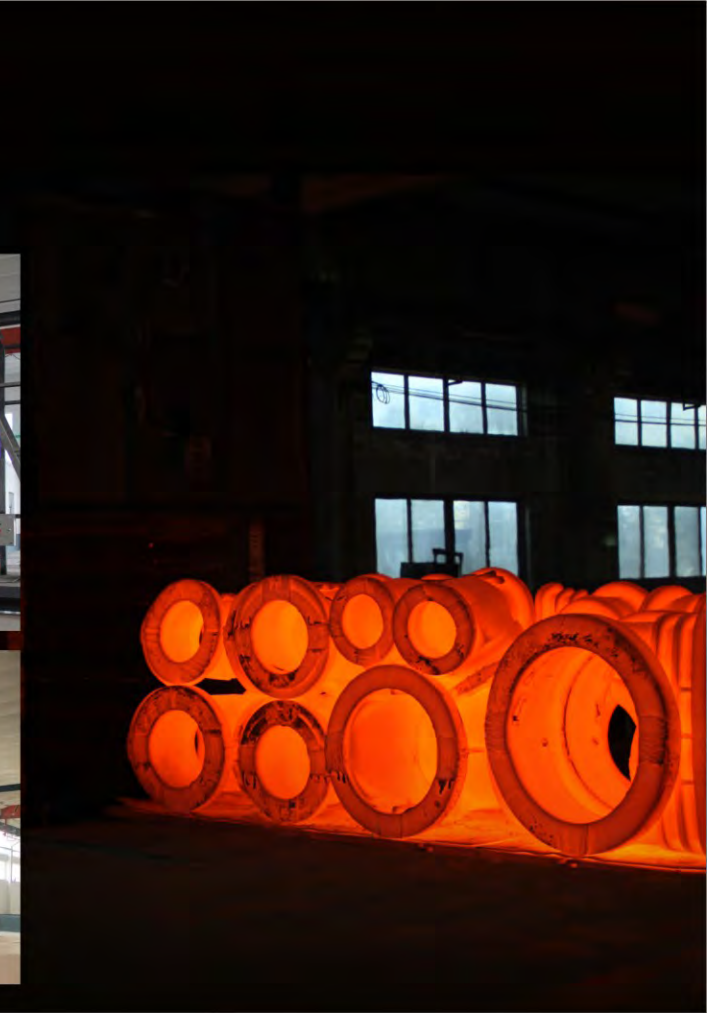
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FOUNDRY

Casting quality is the key of valve quality.
YDF realized this from the beginning.
YDF has own foundry, with capacity:
Investment casting: 1000T/month
Sand casting: 800T/month
Material cover, carbon steel, stainless steel,
alloy steel, and other special material.



ADVANCED MANUFACTURING

Numeric control machines are widely equipped in YDF factories, like machining center, CNC horizontal and vertical lathe, CNC drilling machine.

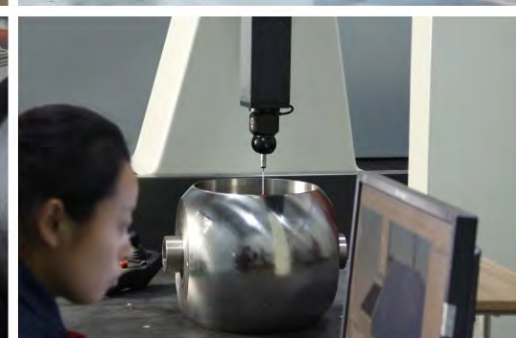
A number of traditional machines are also widely applied and our machining capacity up to 60" gate valve.

Our advanced and ample machining will make sure stable quality and on time delivery.





QUALITY CONTROL



YDF has strict quality control system to control the quality from the rough material to the final product. advanced testing equipment enable us to do radio graphic test, ultra-sonic test, dye-penetrant test, magnetic test, impact test, tensile test, hardness test, positive material identifier(PMI), etc.

A newly built valve laboratory enable us to do cryogenic test, vacuum test , low fugitive emission test, high pressure gas test, high temperature test.

How to Order

Example:

20 GA 1 R - G WCB / 8 - NC

20

GA

VALVE SIZE

VALVE TYPE

Symbol	Valve type	Symbol	Valve type	Symbol	Valve type	Symbol	Valve type
GA	Gate	SC*	Swing Check	CW	Dual Plate Check Valve	GLPS	Pressure Seal Globe Valve
GL	Globe	SN*	Swing Check	GAPS	Pressure Seal Gate Valve	SCPS	Pressure Seal Swing Check

*SN: Out through Hinge Pin *SC: Internal Hinge Pin

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VALVE CLASS

Class	150	300	600	900	1500	2500
Code	1	3	6	9	15	25

R

END CONNECTIONS

Symbol	End	Symbol	End	Symbol	End	Symbol	End
R	Raised face flanged	B	Butt-weld	J	RTJ flanged	F	Flat face flanged

G

OPERATOR

Symbol	Description	Symbol	Description	Symbol	Description
G	Gear operator	M	Electric actuator	BS	Bare Shaft

WCB

BODY MATERIALS

Body Materials	WCB	LCB	LCC	WC6	WC9	C5
ASTM Ref	A216 Gr.WCB	A352 Gr.LCB	A352 Gr.LCC	A217 Gr.WC6	A217 Gr.WC9	A217 Gr.C5
Body Materials	CF8	CF8M	CF3	CF3M	CD4MCuN	
ASTM Ref	A351 Gr.CF8	A351 Gr.CF8M	A351 Gr.CF3	A351 Gr.CF3M	A995 Gr.CD4MCuN	

8

TRIM MATERIALS

API 600 Trim Number	Symbol	Disc Surface	Seat Surface	Stem Material
1	1	13Cr	13Cr	ASTM A 182 Grade F6a
2	2	304SS	304SS	ASTM A 182 Grade F304
5	5	Stellite.6	Stellite.6	ASTM A 182 Grade F6a
8	8	13Cr	Stellite.6	ASTM A 182 Grade F6a
9	9	Monel	Monel	Monel
10	10	316SS	316SS	ASTM A 182 Grade F316
12	12	316SS	Stellite.6	ASTM A 182 Grade F316

NC

SPECIAL CODE

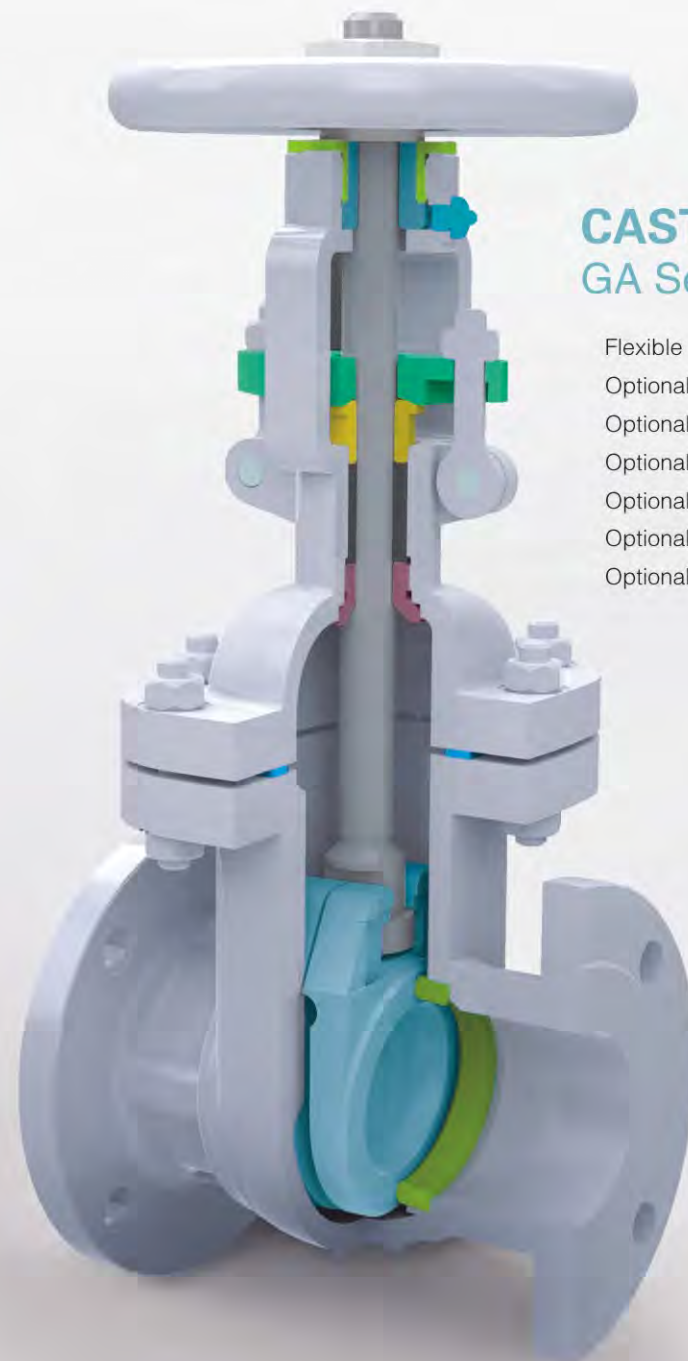
Symbol	Description	Symbol	Description	Symbol	Description
NC	Nace	EB	Extended Bonnet	ES	Extended Stem
NRS	None Rising Stem	BP	By Pass	LE	Low Emission

CAST STEEL GATE VALVE

GA Series

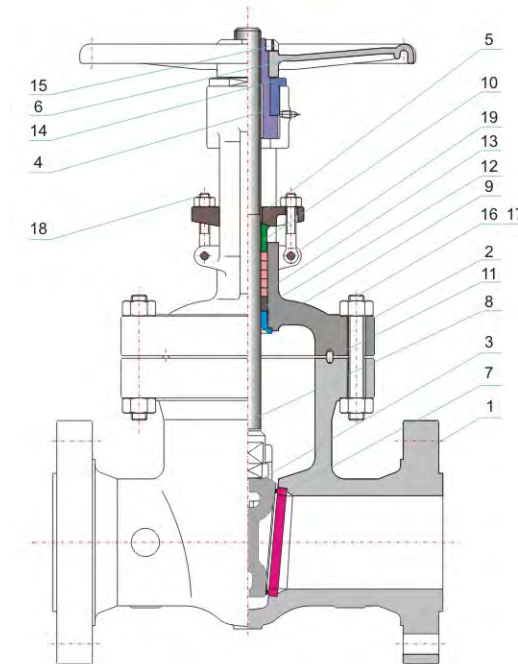
YDF GA series Gate Valve are manufactured in accordance with API 600 specification and tested to API 598, and this series valves are of API 591 certified, and API624, ISO15848, TA Luft Certified. To ensure casting integrity, all pressure contain casting are from YDF own foundry.





CAST STEEL GATE VALVE GA Series

- Flexible wedge
- Optional threaded or welded seat
- Optional full jacket or semi-jacket design
- Optional stem extension
- Optional double packing with lantern ring
- Optional live loaded
- Optional bellow seal



No.	Part	Standard	Stainless Steel	Low Temperature	High Temperature	Sour Service
1	Body	ASTM A216-WCB	ASTM A351-CF8M	ASTM A352-LCC	ASTM A217-WC9	ASTM A216-WCB
2	Bonnet	ASTM A216-WCB	ASTM A351-CF8M	ASTM A352-LCC	ASTM A217-WC9	ASTM A216-WCB
3	Wedge	ASTM A216-WCB/Cr13 Overlay	ASTM A351-CF8M	ASTM A352-LCC/316 Overlay	ASTM A217-WC9/STL.6 Overlay	ASTM A216-WCB/Cr13 Overlay-NC
4	Stem Nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
5	Gland Flange	ASTM A216-WCB	ASTM A351-CF8M	ASTM A352-LCC	ASTM A217-WC9	ASTM A216-WCB
6	Handwheel	Ductile Iron	Ductile Iron (Rust Treatment)	Ductile Iron	Ductile Iron	Ductile Iron
7	Seat Ring	ASTM A105N/STL.6 Overlay	ASTM A182 F316/STL.6 Overlay	ASTM A350-LF2/STL.6 Overlay	ASTM A182-F22/STL.6 Overlay	ASTM A105N/STL.6 Overlay
8	Stem	ASTM A182-F6a	ASTM A182-F316	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a-NC
9	Back Seat	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-410	ASTM A276-410-NC
10	Gland	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-410	ASTM A276-410-NC
11	Gasket *	SPW SS+Graphite/RTJ.SS	SPW SS+Graphite/RTJ.SS	SPW SS+Graphite/RTJ.SS	SPW SS+Graphite/RTJ.SS	SPW SS+Graphite/RTJ.SS
12	Spacer Ring	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-410	ASTM A276-410
13	Packing	Graphite	Graphite	Graphite	Graphite	Graphite
14	Retaining Nut	Carbon Steel	Stainless Steel	Carbon Steel	Carbon Steel	Carbon Steel
15	Handwheel Nut	Carbon Steel	Stainless Steel	Carbon Steel	Carbon Steel	Carbon Steel
16	Bonnet Stud	ASTM A193-B7	ASTM A193-B8	ASTM A320-L7	ASTM A193-B16	ASTM A193-B7M
17	Bonnet Nut	ASTM A194-2H	ASTM A194-8	ASTM A194-7	ASTM A194-4	ASTM A194-2HM
18	Eye Bolt	ASTM A193-B7	ASTM A193-B8	ASTM A320-L7	ASTM A193-B16	ASTM A193-B7M
19	Eye Bolt Pin	Carbon Steel	Stainless Steel	Stainless Steel	Stainless Steel	Carbon Steel

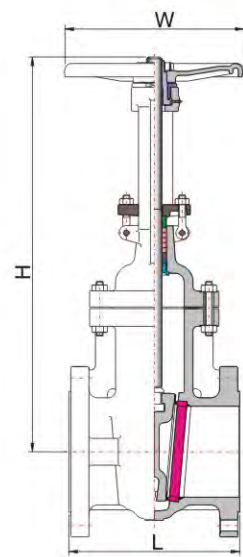
* 150LB Reinforced SS+Graphite

CAST STEEL GATE VALVE GA Series

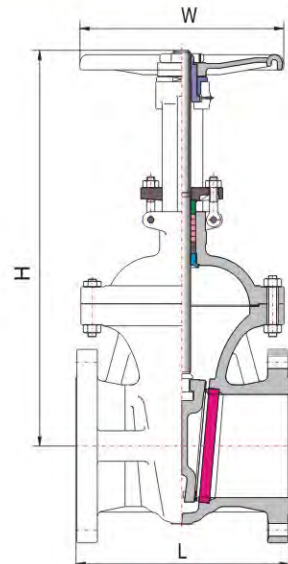
150LB 300LB

CAST STEEL GATE VALVE GA Series

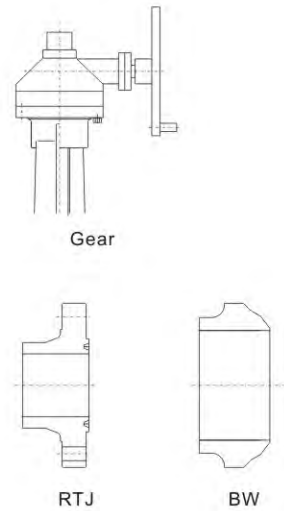
600LB 900LB



Class150



Class300



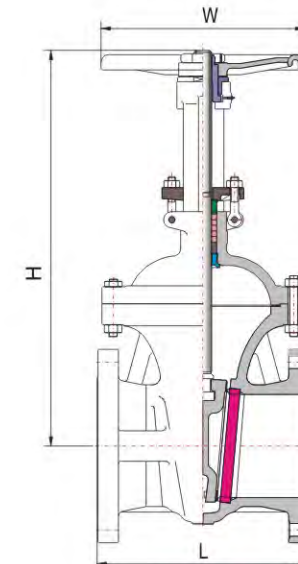
Class150

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L(RF)	in	7	7.5	8	9	10	10.5	11.5	13	14	15	16	17	18	20	22	24	24	26	28	30	31	34
	mm	177.8	190.5	203.2	228.6	254	266.7	292.1	330.2	355.6	381	406.4	431.8	457.2	508	559	610	609.6	660	711.2	762	787.4	863.6
L1(BW)	in	8.5	9.5	11.12	12	15	15.88	16.5	18	19.75	22.5	24	26	28	32	34	36	36	38	40	42	43	46
	mm	215.9	241.3	282.4	304.8	381	403.4	419.1	457.2	501.7	571.5	609.6	660.4	711.2	812.8	864	914	914	965	1016	1067	1092	1168
W	in	8	8	10	10	14	14	14	16	18	20	22	25	27	30	24	28	35	24	43	32	32	32
	mm	200	200	250	250	350	350	350	400	450	500	560	640	680	720	610	720	889	610*	810*	810*	810*	810*
H	in	12.8	14.5	16.5	19.2	22.2	23.9	29.6	35.0	42.0	45.8	51.7	56.7	63.5	73.7	110.4	92.9	93.0	140.7	108.5	169.7	178.2	197.2
	mm	325	368	420	487	565	608	751	890	1067	1163	1313	1441	1612	1872	2805	2360	2362	3574	2757	4311	4527	5010
WT(RF)	kg	19	26	35	49	64	81	127	204	291	400	486	610	788	1144	1570	1900	2540	2958	3380	4815	5300	7110
WT(BW)	kg	15	18	26	41	58	69	108	156	248	365	482	587	752	1178	1521	1838	2261	2490	3310	4840	5275	7050

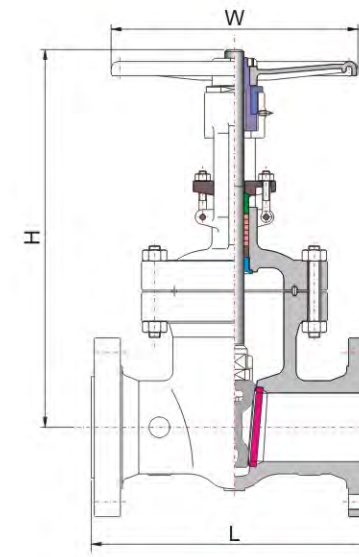
Class300

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	8.5	9.5	11.1	12	15	15.9	16.5	18	19.8	30	33	36	39	45	49	53	55	60	68	76	78	88
	mm	215.9	241.3	282.4	304.8	381	403.4	419.1	457.2	501.7	762	838.2	914.4	990.6	1143	1245	1346	1397	1524	1727	1930	1981	2235
W	in	8	10	10	10	14	14	16	18	20	22	25.2	26.8	29.9	29.9	24	24	32	32	32	40	40	40
	mm	200	250	250	250	350	350	400	450	500	560	640	680	760	760	610*	610*	810*	810*	810*	1000*	1000*	1000*
H	in	14.4	17.1	17.5	20.3	24.7	25.4	31.5	36.9	44.1	47.2	53.3	59.5	65.0	76.8	117.6	122.8	132.3	145.4	152.7	179	186.6	211.5
	mm	365	435	445	515	628	645	800	936	1120	1200	1355	1512	1650	1950	2986	3120	3361	3692	3879	4547	4739	5373
WT(RF)	kg	26	35	52	75	147	147	235	350	472	683	950	1145	1634	2660	3090	3312	3597	4850	6850	8460	9500	12400
WT(BW)	kg	17	26	52	74	113	113	164	344	485	565	805	1058	1412	2304	2540	2725	3057	4122	4990	6160	6800	9000

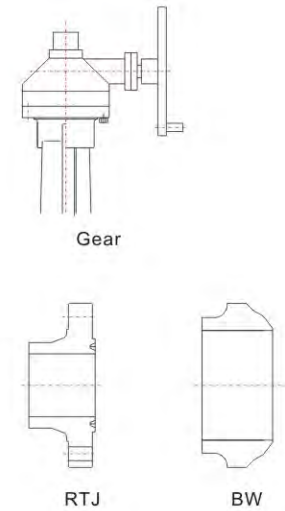
* Gear Operator



Class600



Class900



Class600

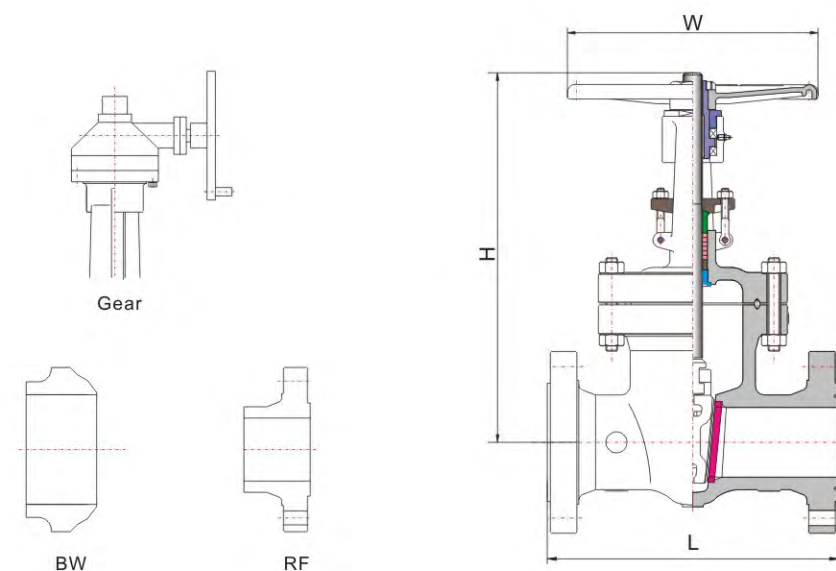
NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	11.5	13	14	17	20	22	26	31	33	35	39	43	47	55	57	61	65	70	82	90	96	100
	mm	292.1	330.2	355.6	431.8	508	558.8	660.4	787.4	838.2	889	990.6	1092.2	1193.8	1397	1448	1549	1651	1778	2082	2286	2438	2540
L2 (RTJ)	in	11.6	13.1	14.1	17.1	20.1	22.1	26.1	31.1	33.1	35.12	39.12	43.12	47.25	55.38	57.5	61.5	65.5	70.6	82.6			
	mm	295.3	333	358.7	435.2	511	562	663.4	790.5	841.2	892	993.6	1095.2	1200.2	1406.7	1461	1562	1664	1794	2098			
W	in	10	10	11.8	13.8	15.7	17.7	19.7	25.2	26.8	28.3	29.9	35.0	42.9	42.9	32	40	40	40	40	42	42	42
	mm	250	250	300	350	400	450	500	640	680	720	760	890	1090	1090	810*	1000*	1000*	1000*	1000*	1200*	1200*	1200*
H	in	14.0	17.4	18.8	21.7	30.3	29.0	35.2	39.9	44.7	51.5	54.9	59.7	66.7	76.3	124	133	140	150	168	184	194	231
	mm	356	442	478	552	770	737	894	1013	1136	1309	1395	1516	1693	1938	3150	3362	3549	3811	4260	4670	4921	5876
WT(RF)	kg	39	52	68	120	170	273	402	610	902	1245	1530	2030	2735	2735	5220	6050	6945	8312	10000	14300	16460	22900
WT(BW)	kg	28	42	55	84	125	204	337	548	905	974	1345	1730	2415	2415	4295	4980	5710	6834	8220	11755	13530	18820

Class900

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L-L1 (RF-BW)	in	14.5	16.5	15	18	24	29	33	38	40.5	44.5	48	52	61	65	70	74	78	87
	mm	368.3	419	381	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1219.2	1321	1549.4	1664	1778	1892	2004	2232
L2(RTJ)	in	14.6	16.6	15.1	18.1	24.1	29.1	33.1	38.1	40.9	44.88	48.50	52.48	61.73					
	mm	371.6	422	384.2	460.5	612.9	740	841.2	968.2	1038.4	1140	1232	1333	1568.5					
W	in	12	10	14	16	22	25	27	30	30	24	32	40	32	40	40	47	47	47
	mm	300	250	350	400	560	640	680	760	760	610*	810*	810*	810*	1000*	1000*	1200*	1200*	1200*
H	in	17.2	21.5	19	21	31	34.9	42.2	46.9	50.2	76	90.2	95.2	110.6	111.5	114.8	118	121.4	128
	mm	437	547	486	545	776	886	1071	1190	1275	1930	2290	2417	2808	2833	2916	3000	3083	3250
WT(RF)	kg	74	92	101	172	640	640	1100	1360	2250	2850	3870	4860	6100	7300	7600	9800	11950	15000
WT(BW)	kg	54	65	70	110	498	498	810	1228	2009	2563	3300	4050	6120	5500	6900	9000	11000	13500

* Gear Operator

CAST STEEL GATE VALVE GA Series 1500LB 2500LB



Class1500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L-L1 (RF-BW)	in	14.5	16.5	18.5	21.5	27.8	32.8	39.0	44.5	49.5	54.5	60.5	65.5	76.5	82	87.5	93
	mm	368.3	419	469.9	546.1	704.9	831.9	990.6	1130.3	1257	1384	1537	1664	1943	2083	2222.5	2362
L2 (RTJ)	in	14.6	16.6	18.6	21.6	28.0	33.1	39.38	45.12	50.25	55.38	61.4	66.4	77.6			
	mm	371.6	422	473.2	549.4	711.2	841.5	1000	1146	1276	1407	1559	1686	1972			
W	in	12	12	15.7	20	25.2	29.9	24	24	24	24	40	40	40	47	47	47
	mm	300	300	400	500	640	760	610*	610*	610*	610*	1000*	1000*	1000*	1200*	1200*	1200*
H	in	17.2	22.5	21.2	24.4	32.3	37.3	56.7	62	70.8	77.3	111	121	140.5	151	158	172
	mm	437	572	538	621	821	947	1440	1575	1798	1963	2812	3078	3570	3836	4012	4268
WT(RF)	kg	74	131	165	248	510	1040	1910	2685	4100	6200	8100	11130	13300	16500	18700	20900
WT(BW)	kg	54	105	129	197	358	761	1640	2755	3200	5300	7100	10100	12900	15700	17500	19300

Class2500

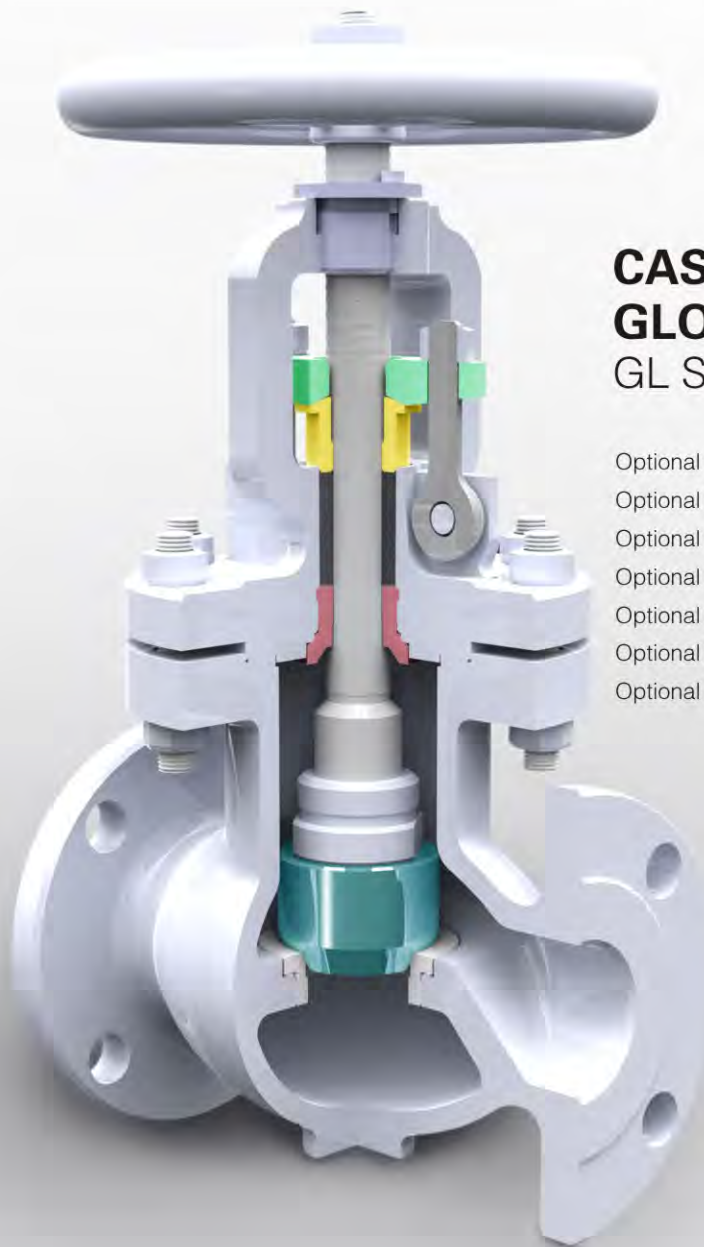
NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L-L1 (RF-BW)	in	17.75	20	22.75	26.5	36	40.25	50	56	62	68	74	80	92
	mm	451	508	578	673	914	1022	1270	1422	1575	1727	1879	2031	2335
L2 (RTJ)	in	17.88	20.25	23.00	26.88	36.50	40.88	50.88	56.88					
	mm	454	514	584	683	927	1038	1445	1445					
W	in	14	18	18	20	24	24	24	24	32	32	40	40	40
	mm	350	450	450	500	610	610*	610*	610*	810*	810*	810*	1000*	1000*
H	in	22.2	22.2	22.9	34.3	57.1	57.1	81.7	89.8	319.7	400	400	113.6	136.6
	mm	563	563	582	870	1450	1450	3076	2281	1945	2250	2555	2860	3470
WT(RF)	kg	130	200	245	490	1600	1600	4570	6100	8120	10170	12100	14700	16500
WT(BW)	kg	95	150	175	375	1310	1310	3800	5200	7510	9730	10900	12100	14700

* Gear Operator

CAST STEEL GLOBE VALVE GL Series

YDF GL series Globe Valve are manufactured in accordance with BS1873 specification and tested to API 598, and this series valves are of API 591 certified, and API624, ISO15848, TA Luft Certified. To ensure casting integrity, all pressure contain casting are from YDF own foundry.

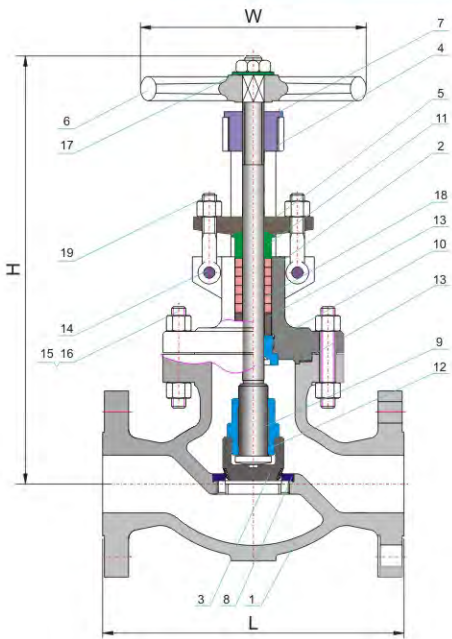




CAST STEEL GLOBE VALVE GL Series

Optional threaded or welded seat
Optional plug disc or Parabola Disc
Optional full jacket or semi-jacket design
Optional stem extension
Optional Screw Down None Return
Optional Bellow Seal
Optional double packing with lantern ring

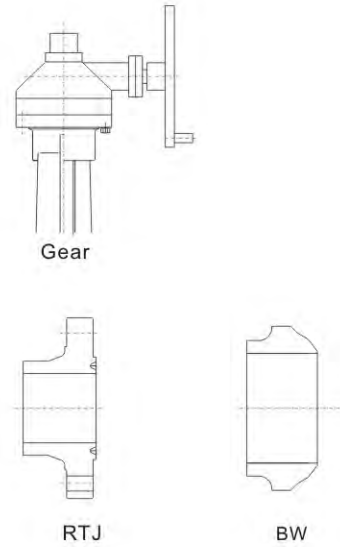
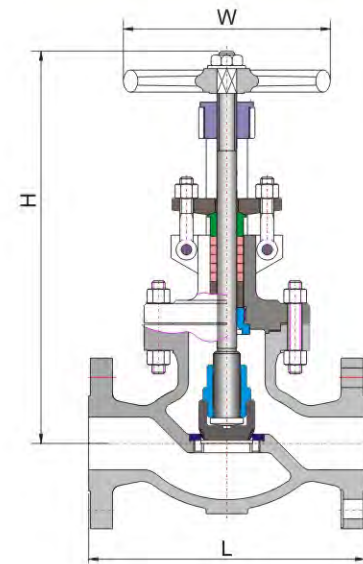
CAST STEEL GLOBE VALVE **GL Series** Material List



No.	Part	Standard	Low Temperature	Stainless Steel	High Temperature	Sour Service
1	Body	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
2	Bonnet	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
3	Disc	ASTM A182-F6a ASTM A105N/Cr13	ASTM A350-LF2/STL.6	ASTM A182-F316/STL.6	ASTM A182-F22/ STL.6 overlay	ASTM A182-F6a-NC
4	Stem Nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
5	Gland Flange	ASTM A216-WCB	ASTM A352-LCB	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
6	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
7	Screw	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B16	ASTM A193-B7M
8	Seat Ring	ASTM A105N/STL.6	ASTM A350 LF2/STL.6	ASTM A182-F316/STL.6	ASTM A182-F22/STL.6	ASTM A105N/STL.6
9	Stem	ASTM A182-F6a	ASTM A182-F316	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a-NC
10	Back Seat	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-410	ASTM A276-410-NC
11	Gland	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-410	ASTM A276-410-NC
12	Disc Nut	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-410	ASTM A276-410-NC
13	Bonnet Gasket	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS
14	Eye Bolt Pin	Carbon Steel	Stainless Steel	Stainless Steel	Stainless Steel	Carbon Steel
15	Bolt	ASTM A193-B7	ASTM A320-L7	ASTM A193-B8	ASTM A193-B16	ASTM A193-B7M
16	Nut	ASTM A194-2H	ASTM A194-7	ASTM A194-8	ASTM A194-4	ASTM A194-2HM
17	Handwheel Nut	ASTM A194-2H	ASTM A194-7	ASTM A194-8	ASTM A194-4	ASTM A194-2HM
18	Packing	Graphite	Graphite	Graphite	Graphite	Graphite
19	Nut	ASTM A194-2H	ASTM A194-7	ASTM A194-8	ASTM A194-4	ASTM A194-2HM

CAST STEEL GLOBE VALVE GL Series

150LB 300LB



Class150

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L-L1 (RF-BW)	in	8	8.5	9.5	11.5	14	16	19.5	24.5	27.5	31	36	38.5	38.5	51
	mm	203.2	215.9	241.3	292.1	355.6	406.4	495.3	622.3	698.5	787.4	914.4	978	978	1295
W	in	8	8	10	12	14	14	17.7	17.7	25.2	25.2	28.3	24	24	31.9
	mm	200	200	250	300	350	350	450	450	640	640	720	610*	610*	810*
H	in	12.7	15.0	14.8	17.0	18.3	19.7	21.8	25.4	32.4	34.3	33.3	44.9	49.7	60
	mm	322	382	376	433	466	501	553	645	823	871	847	1140	1263	1524
WT(RF)	kg	21	29	35	58	78	104	162	289	485	550	724	1400	2600	3700
WT(BW)	kg	17	20	30	47	71	86	138	219	362	491	650	1250	2300	3250

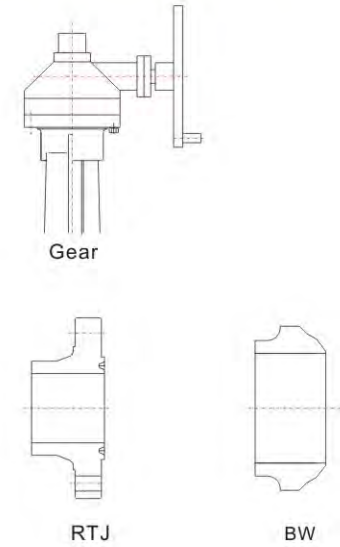
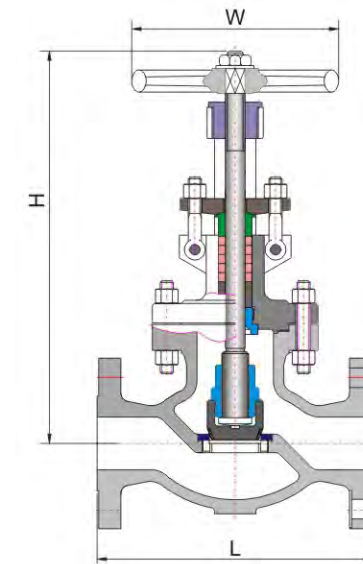
Class300

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500
L-L1 (RF-BW)	in	10.5	11.5	12.5	14.0	15.7	17.5	22.0	24.5	28.0	33.0	34.0	38.5	40
	mm	266.7	292.1	317.5	355.6	400	444.5	558.8	622.3	711.2	838.2	863.6	978	1016
W	in	8	10	10	14	18	17.7	17.7	22.0	25.2	28.3	24	38.5	40
	mm	200	250	250	350	450	450	450	560	640	720	610*	610*	810*
H	in	13.8	15.9	16.0	18.6	22.7	22.6	31.5	32.4	35.1	36.0	55.2	57.5	64.3
	mm	350	404	406	473	576.5	574	801	822	891	914	1403	1460	1632
WT(RF)	kg	26	38	51	76	125	173	297	500	724	1125	1650	2700	3650
WT(BW)	kg	21	29	38	59	104	137	237	432	632	975	1450	2400	3200

* Gear Operator

CAST STEEL GLOBE VALVE GL Series

600LB 900LB



Class600

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450
L-L1 (RF-BW)	in	11.5	13	14	17.0	20	22	26	31	33	35	39	43
	mm	292	330.2	355.6	432	508	558.8	660.4	787.4	838.2	889	991	1092
L2(RTJ)	in	11.6	13.1	14.1	17.1	20.1	22.1	26.1	31.1	33.1	35.1	39.1	43.1
	mm	295.3	333	358.7	435.2	511	562	663.4	790.5	841.2	892	994	1095
W	in	10	14	14	18	20	22	24	28	24	24	30	32
	mm	250	350	350	450	500	500	640	720	720	610*	762*	810*
H	in	16.4	20.7	21.1	23.6	27.6	28.7	34.4	36.1	38.3	55.1	63.4	70.9
	mm	416	526	537	600	700	730	875	918	972	1400	1610	1801
WT(RF)	kg	37	50	62	150	187	294	543	1006	1350	1620	2160	3300
WT(BW)	kg	30	40	58	132	142	227	460	729	1060	1330	1750	2800

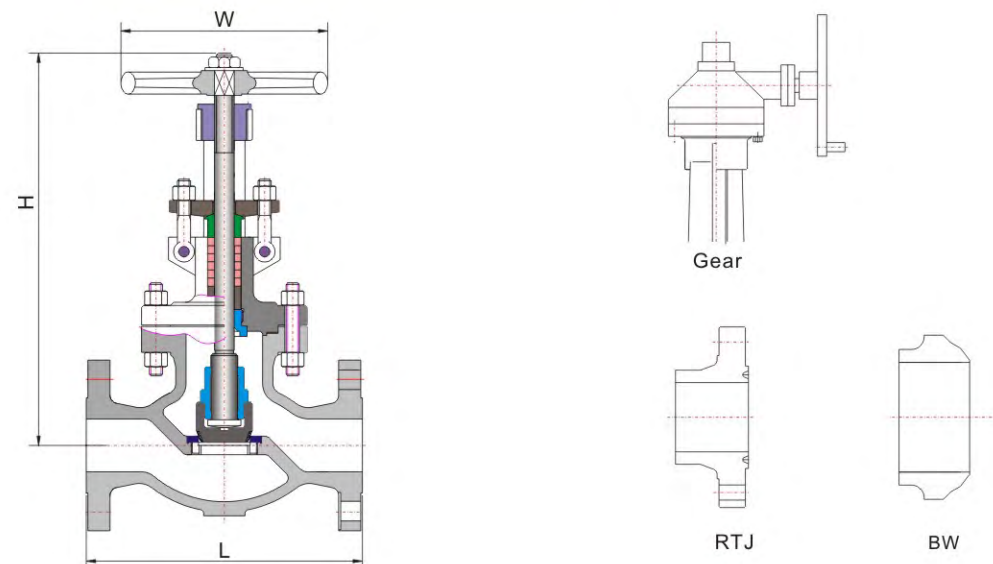
Class900

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"
DN	mm	50	65	80	100	150	200	250	300	350	400
L-L1 (RF-BW)	in	14.5	16.5	15	18	24	29.0	33	38	40.5	44.5
	mm	368.3	419	381	457.2	609.6	736.6	838.2	965.2	1029	1130
L2(RTJ)	in	14.6	16.6	15.1	18.1	24.1	29.1	33.1	38.1	40.9	44.9
	mm	371.6	422	384.2	460.5	612.9	740	841.2	968.2	1038	1140
W	in	14	14	14	17.7	22.0	28.3	28.3	31.9	31.9	31.9
	mm	350	350	350	450	560	720	720	810*	810*	810*
H	in	85.9	122.2	106.1	125.2	149.8	156.9	168.9	254.4	76.1	87
	mm	464	660	573	676	809	847	912	1374	1934	2210
WT(RF)	kg	95	138	110	197	435	720	1070	1920	2670	3520
WT(BW)	kg	75	85	112	158	360	597	890	1690	2390	3170

* Gear Operator

CAST STEEL GLOBE VALVE GL Series

1500LB 2500LB



Class1500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"
DN	mm	50	65	80	100	150	200	250	300
L-L1 (RF-BW)	in	14.5	16.5	18.5	21.5	27.8	32.8	39.0	44.5
	mm	368.3	419	469.9	546.1	704.9	832	991	1130
L2(RTJ)	in	14.6	16.6	18.6	21.6	28.0	33.1	39.4	45.1
	mm	371.6	422	473.2	549.3	711.2	841.5	1000	1146
W	in	14	14	17.7	19.7	25.2	31.9	31.9	31.9
	mm	350	350	450	500	640	810	810	810
H	in	18.3	22.5	25.4	29.7	34.7	49.6	96.5	114.3
	mm	464	572	646	755	882	1261	2450	2904
WT(RF)	kg	95	138	215	350	560	990	1530	2570
WT(BW)	kg	80	112	129	299	462	830	1330	2270

Class2500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"
DN	mm	50	65	80	100	150	200	250
L-L1 (RF-BW)	in	17.75	20	22.75	26.5	36	40.25	50
	mm	451	508	578	673	914	1022	1270
L2(RTJ)	in	17.88	20.25	23.00	26.88	36.5	40.88	50.9
	mm	454	514	584	683	927	1038	1292
W	in	17.7	20	22	24	24	24	31.9
	mm	450	500	560	610	610	610	810
H	in	28.3	31.5	34.8	49.6	75	97	122.4
	mm	606.6	800	885	1260	1905	2465	3108
WT(RF)	kg	176	264	308	759	1990	4390	5290
WT(BW)	kg	141	214	238	644	1700	3950	4390

* Gear Operator

CAST STEEL SWING CHECK VALVE

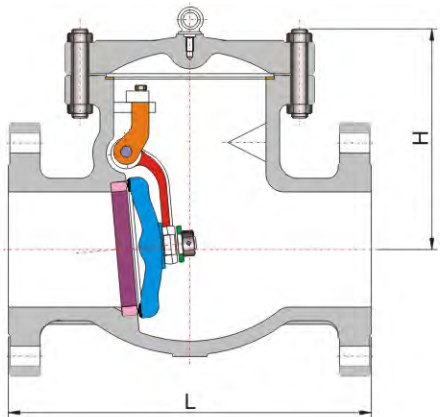
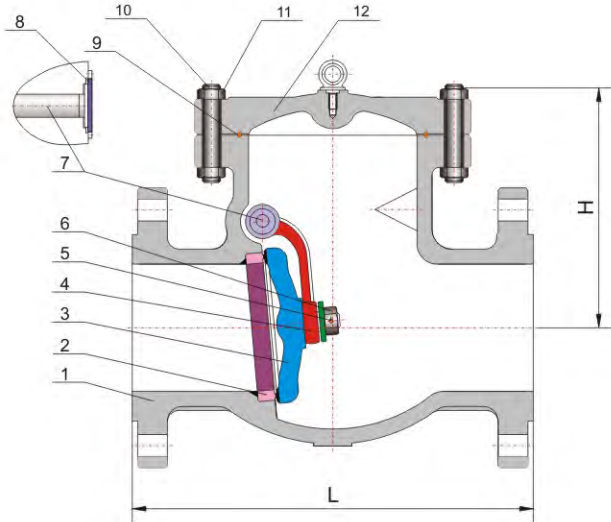
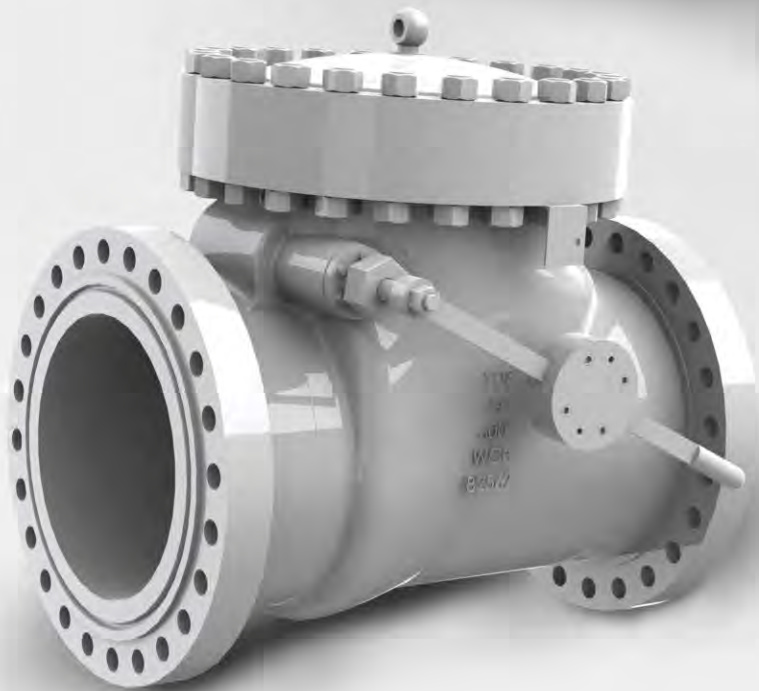
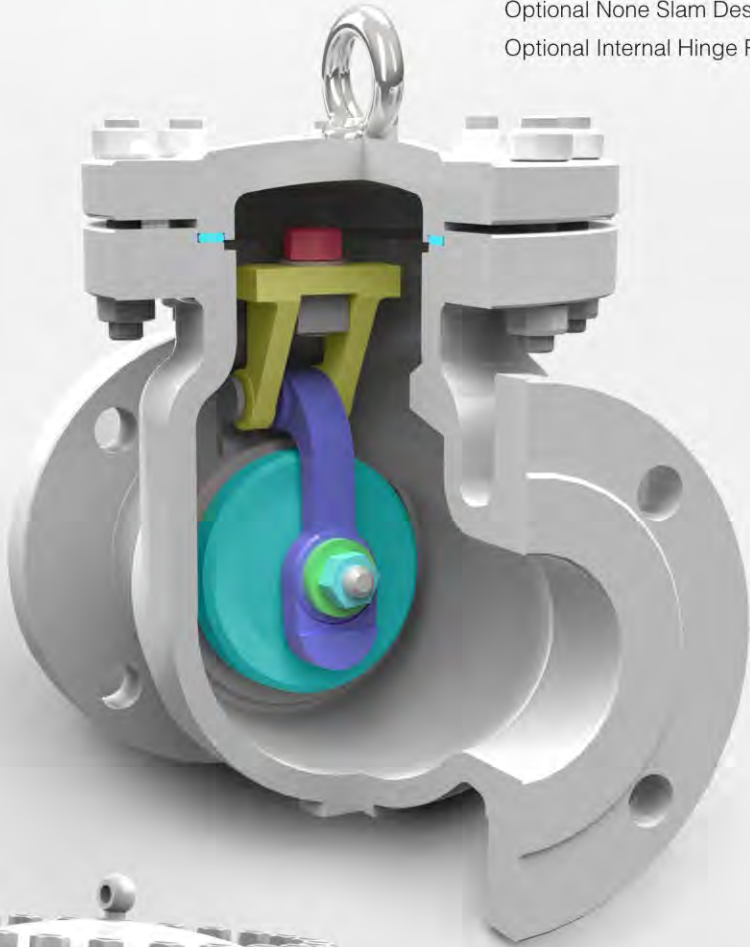
SC/SN Series

YDF SC series Swing Check Valve are manufactured in accordance with BS1868 specification and tested to API 598, and this series valves are of API 591 certified, and API622, TA Luft Certified. To ensure casting integrity, all pressure contain casting are from YDF own foundry.



CAST STEEL SWING CHECK VALVE
SC/SN Series

- Optional threaded or welded seat
- Optional full jacket or semi-jacket design
- Optional None Slam Design
- Optional Internal Hinge Pin and External Hinge Pin

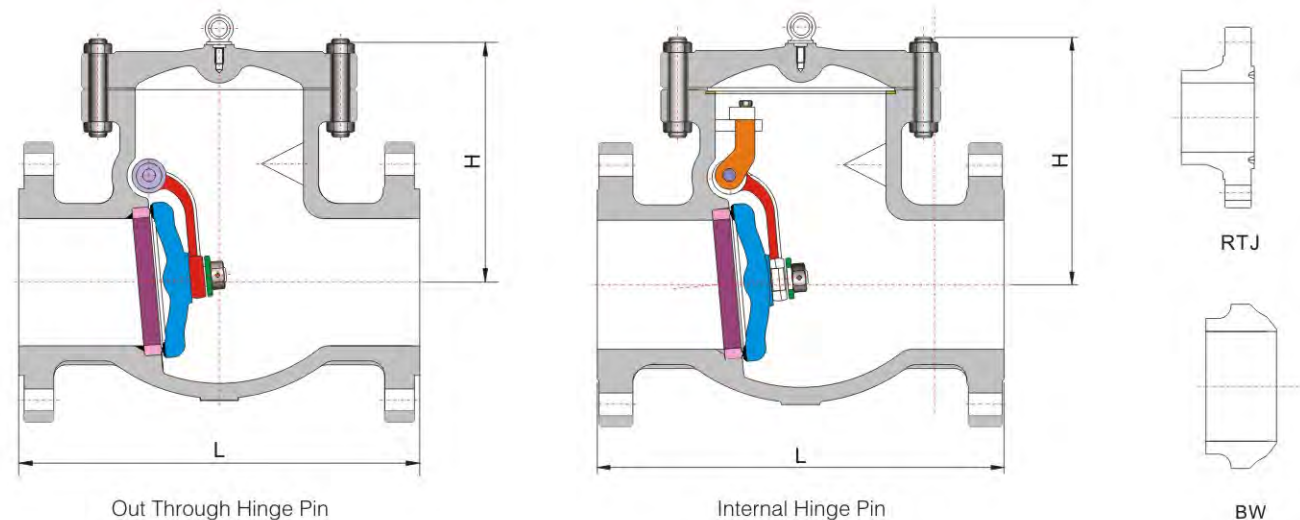


No.	Part	Standard	Low Temperature	Stainless Steel	High Temperature	Sour Service
1	Body	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
2	Seat Ring	ASTM A105N/STL.6	ASTM A350 LF2/STL.6	ASTM A182-F316/STL.6	ASTM A182-F22/STL.6	ASTM A105N/STL.6
3	Disc	ASTM A216-WCB/Cr13	ASTM A352-LCC/ STL.6 Overlay	ASTM A351-CF8M	ASTM A217-WC9/ STL.6 Overlay	ASTM A216-WCB/Cr13-NC
4	Hinge	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
5	Pin	ASTM A276-410	ASTM A276 316	ASTM A276 316	ASTM A276-410	ASTM A276-410-NC
6	Disc Nut	ASTM A276-410	ASTM A276 316	ASTM A276 316	ASTM A276-410	ASTM A276-410-NC
7	Hinge Pin	ASTM A182-F6a	ASTM A182-F316	ASTM A276-316	ASTM A276-420	Stainless Steel
8	Plug	ASTM A105N	ASTM A350 LF2	ASTM A182-F316	ASTM A182-F22	ASTM A105N
9	Gasket	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS	SPW.SS+Graphite/RTJ.SS
10	Bonnet Bolt	ASTM A193-B7	ASTM A320-L7	ASTM A193-B8	ASTM A193-B16	ASTM A193-B7M
11	Bonnet Nut	ASTM A194-2H	ASTM A194-7	ASTM A194-8	ASTM A194-4	ASTM A194-2HM
12	Cover	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A219-WC9	ASTM A216-WCB



CAST STEEL SWING CHECK VALVE SC/SN Series

150LB 300LB



Class150

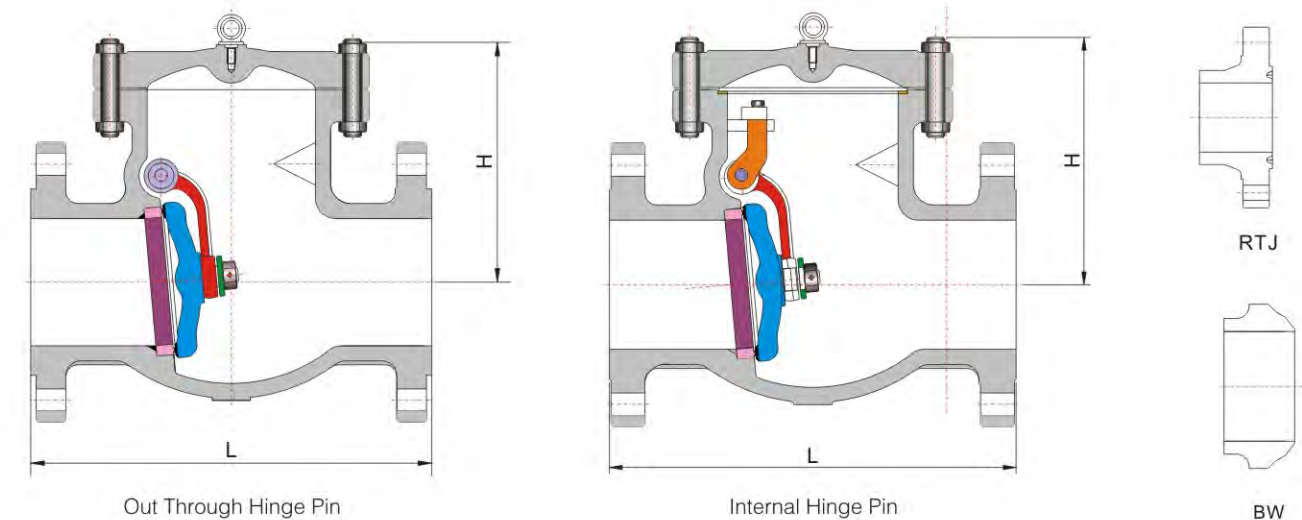
NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	8	8.5	9.5	11.5	13	14	19.5	24.5	27.5	31	34	38.5	38.5	51	51	57	60	60	77	85	89	101
	mm	203.2	215.9	241.3	292.1	330.2	355.6	495.3	622.3	698.5	787.4	863.6	977.9	977.9	1295	1295	1448	1524	1524	1956	2159	2261	2566
H	in	6.0	6.7	7.1	8.4	10.6	12.2	14.4	17.0	19.8	22.1	23.3	27.6	24.7	32.6	35.3	36.8	38.2	49.2	54.2	55.5	57.8	64.6
	mm	153	169	181	213	268	309	367	432	502	561	592	702	627.9	826.8	897	935	970	1058	1377	1410	1468	1642
WT(RF)	kg	15	22	28	42	57	79	131	177	282	380	542	632	855	970	1276	1600	2020	2430	3130	4260	5030	6680
WT(BW)	kg	10	12	17	29	45	57	96	143	227	294	468	552	755	831	1120	1420	1760	2130	2930	3730	4430	5680

Class300

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	10.5	11.5	12.5	14	15.75	17.5	21	24.5	28	33	34	38.5	40	53	53	59	62.75	68	82	96	103	124
	mm	266.7	292.1	317.5	355.6	400.1	444.5	533.4	622.3	711.2	838.2	863.6	977.9	1016	1346.2	1346	1499	1594	1727	2083	2438	2617	3151
H	in	7.0	7.2	9.1	10.5	11.2	12.7	15.5	17.9	21.3	24.0	25.7	28.2	27.4	31.3	36.6	45.8	50	50	59.4	68.9	73.6	87.8
	mm	177	182	231	266	285	323	393	454	541	608.5	653	716	696.3	796	930	1163	1270	1270	1510	1750	1870	2230
WT(RF)	kg	20	30	40	65	84	118	193	310	450	595	840	933	1320	1848	2375	2660	3680	3680	5030	6290	7050	9310
WT(BW)	kg	16	22	30	53	73	101	157	232	414	455	766	774	960	1792	1995	2260	2780	2780	4430	5640	6150	8310

CAST STEEL SWING CHECK VALVE SC/SN Series

600LB 900LB



Class600

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	11.5	13	14	17	20	22	26	31	33	35	39	43	47	55	57	63	65	70	82	90	96	100
	mm	292.1	330.2	355.6	431.8	508	558.8	660.4	787.4	838.2	889	990.6	1092.2	1193.8	1397	1448	1600	1651	1778	2083	2286	2438	2540
L2(RTJ)	in	11.6	13.1	14.1	17.1	20.1	22.1	26.1	31.1	33.1	35.1	39.1	43.1	47.3	55.4	57.5	63.5	65.5	70.6	82.6			
	mm	295.3	333	358.7	435.2	511	562	663.4	790.5	841.2	892	993.6	1095.2	1200.2	1406.7	1461	1613	1664	1794	2099			
H	in	9.2	9.8	10.8	12.2	11.6	15.6	18.4	21.8	23.2	26	28.3	32.7	31.9	38.2	43.7	46.9	52.1	53.8	60.7	67.0	70.9	85.5
	mm	233	249	274	311	295	397	467	554	589	660	719	831	811	971	1110	1192	1324	1367	1542	1702	1800	2171
WT(RF)	kg	30	43	55	93	160	208	339	547	715	885	1310	1620	2120	3100	3800	4600	5500	6800	8100	8900	9800	11100
WT(BW)	kg	21	35	43	64	115	145	256	375	589	694	932	1279	1702	2497	3100	3900	4700	6000	7200	8100	9900	10200

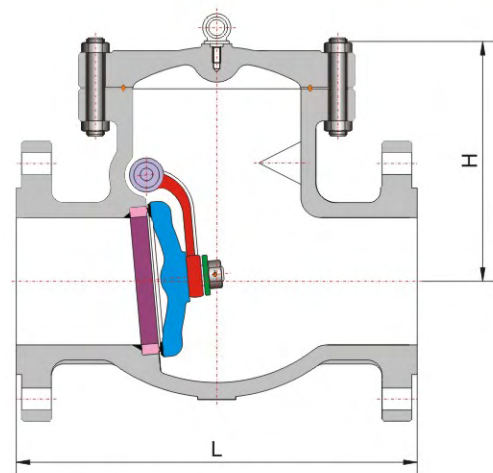
Class900

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L-L1 (RF-BW)	in	14.5	16.5	15	18	24	29	33	38	40.5	44.5	48.0	52.0	61.0	65.0	69.0	73.0	77.0	84.9
	mm	368.3	419	381	457.2	610	736.6	838.2	965.2	1029	1130	1219	1321	1549	1651	1753	1854	1956	2156
L2(RTJ)	in	14.6	16.6	15.1	18.1	24.1	29.1	33.1	38.1	40.88	44.88	48.5	52.5	61.7	65.9	69.9	73.9		
	mm	371.6	422	384.2	460.5	612.9	740	841.2	968.2	1038	1140	1232	1333	1568	1673	1775	1876		
H	in	11.2	11.8	12	11.9	16.7	20	22.9	25.6	27	33.0	33.0	36.7	36.4	44.1	54	59.9	65.8	71.7
	mm	284	300	305	301	423	507	582	650	686	838	839	932	924	1121	1372	1521	1671	1821
WT(RF)	kg	70	100	110	150	305	510	810	1120	1380	1900	3000	4000	5200	6600	7550	8850	10150	12750
WT(BW)	kg	50	68	77	113	230	387	632	901	1139	1613	2650	3550	4650	5630	6420	7510	8600	10780

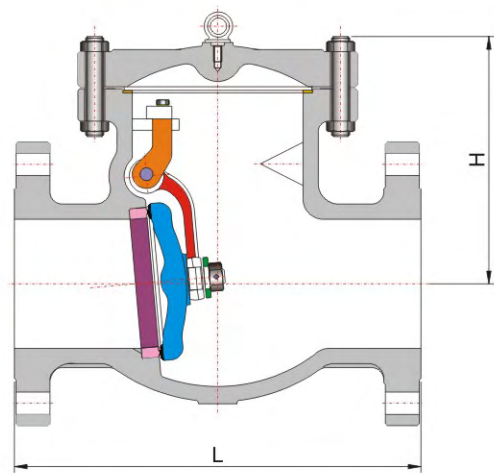


CAST STEEL SWING CHECK VALVE
SC/SN Series

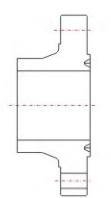
1500LB 2500LB



Out Through Hinge Pin



Internal Hinge Pin



RTJ



BW

Class1500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L-L1 (RF-BW)	in	14.5	16.5	18.5	21.5	27.8	32.75	39	44.5	49.5	54.5	60.5	65.5	76.5	82.0	87.5	93.0
	mm	368.3	419	469.9	546.1	704.9	832	990.6	1130.3	1257	1384	1537	1664	1943	2083	2222.5	2362
L2(RTJ)	in	14.6	16.62	18.6	21.6	28	33.1	39.38	45.12	50.25	55.38	61.4	66.4	77.6			
	mm	371.6	422	473.2	549.4	711.2	841.5	1000	1146	1276	1407	1559	1686	1972			
H	in	11.2	11.8	13.1	14.7	19.8	23.9	25.6	30.7	37.4	40.1	45.2	47.5	60.6	70.6	80.7	90.7
	mm	284	300	332	373	502	608	649	779	950	1020	1147	1206	1539	1794	2049	2304
WT(RF)	kg	70	100	150	245	550	1010	1476	2280	3060	4500	6100	8000	9800	11600	13400	15200
WT(BW)	kg	50	77	115	190	452	750	1012	1780	2290	3500	5200	7500	8400	9300	10200	11100

Class2500

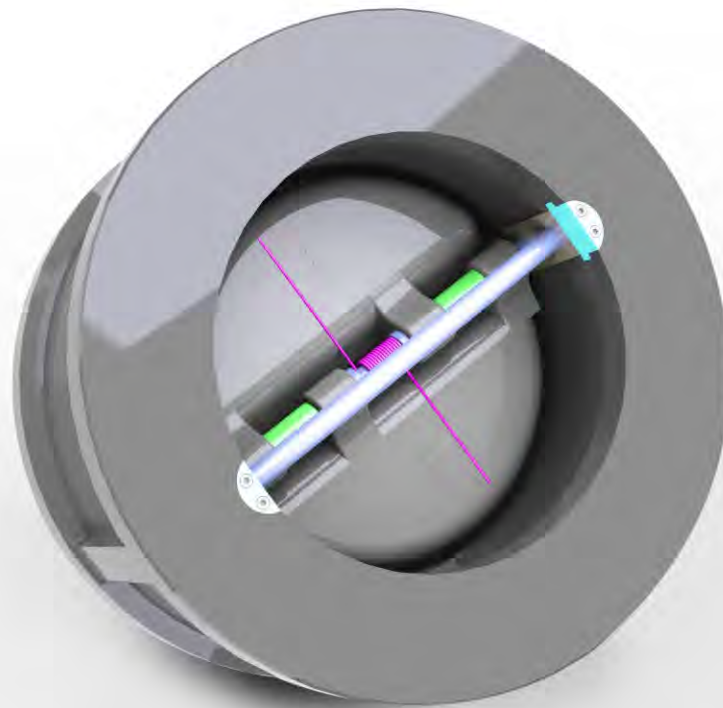
NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L-L1 (RF-BW)	in	17.75	20	22.75	26.5	36	40.25	50	56	62.0	68.0	73.9	79.9	91.9
	mm	451	508	578	673	914	1022	1270	1422	1575	1727	1877	2029	2334
L2(RTJ)	in	17.87	20.25	23.00	26.88	36.50	40.87	50.88	56.88					
	mm	454	514	584	683	927	1038	1292	1445					
H	in	16.4	16.5	17.4	18.9	20.1	28	33.5	39.4	47.2	51.2	55.1	59.1	63
	mm	416	419	441	479	511	711	851	1000	1200	1300	1400	1500	1600
WT(RF)	kg	145	240	330	650	806	2420	3750	5500	7400	9010	11200	12700	14000
WT(BW)	kg	110	190	260	535	665	1980	2980	4350	6200	8250	9400	11890	13000

DUAL PLATE CHECK VALVE

CW Series

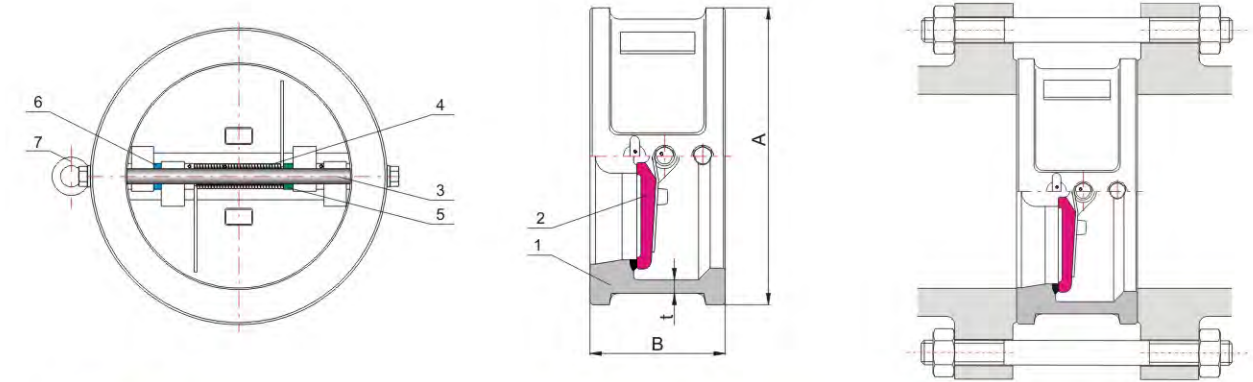
YDF CW series Dual Plate Check Valve are manufactured in accordance with API 594 specification and tested to API 598. To ensure casting integrity, all pressure contain casting are from YDF own foundry.





DUAL PLATE CHECK VALVE CW Series

Retainerless Design
Optional End connection Wafer,
Lug, Double Flange



Class 150

Size		A		B		t		NO.	Stud Details		RF Stud Length		End Facing	Weight	
NPS	DN	in	mm	in	mm	in	mm		Diameter		in	mm		lbs	kg
2"	50	4.09	104	2.38	60	8.60	218.44	4	0.63	16	5.75	146	RF	5.88	2.94
2 1/2"	65	4.84	123	2.63	67	9.70	246.38	4	0.63	16	6.25	159	RF	10.78	4.9
3"	80	5.35	136	2.88	73	10.40	264.16	4	0.63	16	6.75	171	RF	10.78	4.9
4"	100	6.85	174	2.88	73	11.20	284.48	8	0.63	16	6.75	171	RF	17.64	7.84
5"	125	7.72	196	3.38	86	-	-	8	0.75	19	7.50	191	RF	27.44	12.74
6"	150	8.70	221	3.88	98	11.90	302.26	8	0.75	19	8.00	203	RF	30.38	13.72
8"	200	10.94	278	5.00	127	12.70	322.58	8	0.75	19	9.50	241	RF	55.86	25.48
10"	250	13.35	339	5.75	146	14.20	360.68	12	0.88	22	10.50	267	RF	96.04	44.1
12"	300	16.06	408	7.13	181	16.00	406.4	12	0.88	22	12.25	311	RF	137.2	62.72
14"	350	17.68	449	7.25	184	16.80	426.72	12	1.00	25	12.75	324	RF	166.6	75.46
16"	400	20.12	511	7.50	191	17.50	444.5	16	1.13	29	13.25	337	RF	225.4	101.92
18"	450	21.63	549	8.00	203	18.30	464.82	16	1.13	29	14.25	362	RF	264.6	120.54
20"	500	23.88	606	8.63	219	19.10	485.14	20	1.25	32	15.25	387	RF	352.8	159.74
24"	600	28.25	718	8.75	222	20.60	523.24	20	1.25	32	16.00	406	RF	470.4	213.64
26"	650	30.50	775	14.00	356	-	-	24	1.25	32	23.25	591	RF	980	444.92
28"	700	32.75	832	15.00	381	-	-	28	1.25	32	24.50	622	RF	1176	533.12
30"	750	34.75	883	12.00	305	23.10	586.74	28	1.25	32	21.75	552	RF	980	444.92
32"	800	37.00	940	14.00	356	-	-	28	1.50	38	24.75	629	RF	1372	622.3
36"	900	41.25	1048	14.50	368	25.40	645.16	32	1.50	38	26.00	660	RF	1715	778.12
40"	1000	45.75	1162	17.00	432	-	-	36	1.50	38	28.50	724	RF	2548	1155.42
42"	1050	48.00	1219	17.00	432	27.70	703.58	36	1.50	38	29.00	737	RF	2793	1267.14
48"	1200	54.50	1384	20.63	524	30.20	767.08	44	1.50	38	31.00	787	RF	4312	1956.08
54"	1350	61.00	1549	23.25	591	-	-	44	1.75	44	35.75	908	RF	5390(2)	2445.1(2)
60"	1500	67.50	1715	26.00	660	-	-	52	175.00	44	38.75	984	RF	7056(2)	3200.68(2)

Class 300

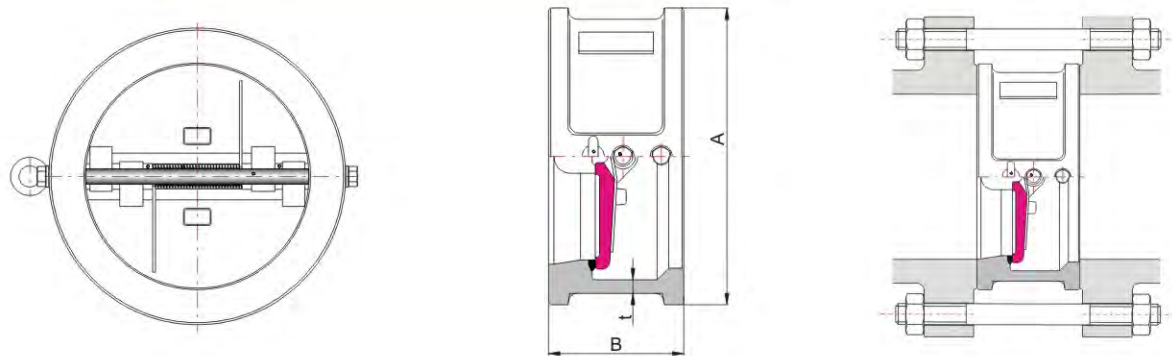
Size		A		B		t		NO.	Stud Details		RF Stud Length		End Facing	Weight	
NPS	DN	in	mm	in	mm	in	mm		Diameter		in	mm		lbs	kg
2"	50	4.37	111	2.38	60	9.70	246.38	8	0.63	16	6.00	152	RF	6.37	2.94
2 1/2"	65	5.08	129	2.63	67	11.20	284.48	8	0.75	19	6.75	171	RF	12.74	5.88
3"	80	5.87	149	2.88	73	11.90	302.26	8	0.75	19	7.25	184	RF	12.74	5.88
4"	100	7.09	180	2.88	73	12.70	322.58	8	0.75	19	7.50	191	RF	17.64	7.84
5"	125	8.46	215	3.38	86	-	-	8	0.75	19	8.25	210	RF	27.44	12.74
6"	150	9.84	250	3.88	98	16.00	406.4	12	0.75	19	9.00	229	RF	39.2	17.64
8"	200	12.13	308	5.00	127	17.50	444.5	12	0.88	22	10.75	273	RF	66.64	30.38
10"	250	14.17	360	5.75	146	19.10	485.14	16	1.00	25	12.25	311	RF	107.8	49
12"	300	16.57	421	7.13	181	20.60	523.24	16	1.13	29	14.25	362	RF	166.6	75.46
14"	350	19.06	484	8.75	222	22.40	568.96	20	1.13	29	16.00	406	RF	284.2	129.36
16"	400	21.18	538	9.13	232	23.90	607.06	20	1.25	32	17.00	432	RF	392	177.38
18"	450	23.50	597	10.38	264	25.40	645.16	24	1.25	32	18.50	470	RF	509.6	231.28
20"	500	25.75	654	11.50	292	26.90	683.26	24	1.25	32	20.00	508	RF	686	311.64
24"	600	30.50	775	12.50	318	30.20	767.08	24	1.50	38	22.00	559	RF	1029	466.48
26"	650	32.88	835	14.00	356	-	-	28	1.63	41	25.00	635	RF	1225	555.66
28"	700	35.38	899	15.00	381	-	-	28	1.63	41	26.50	673	RF	1470	666.4
30"	750	37.50	953	14.50	368	35.10	891.54	28	1.75	44	26.75	679	RF	1617	733.04
32"	800	39.63	1006	16.00	406	-	-	28	1.88	48	29.00	737	RF	1960	888.86
36"	900	44.00	1118	19.00	483	39.90	1013.46	32	2.00	51	73.75	832	RF	2646	1200.5
40"	1000	43.88	1114	21.50	546	-	-	32	1.63	41	35.25	895	RF	3332	1511.16
42"	1050	45.88	1165	22.38	568	44.70	1135.38	32	1.63	41	36.50	927	RF	4116	1866.9
48"	1200	52.13	1324	24.75	629	49.50	1257.3	32	1.88	48	40.50	1029	RF	7203	3267.32

MATERIAL LIST

No.	Part	Standard	Low Temperature	Stainless Steel	High Temperature	Sour Service
1	Body	ASTM A216-WCB+STL.6	ASTM A352-LCC+STL.6	ASTM A351-CF8M+STL.6	ASTM A217-WC9+STL.6	ASTM A216-WCB+STL.6
2	Disc	ASTM A216-WCB/Cr13	ASTM A352-LCC/316 Overlay	ASTM A351-CF8M	ASTM A217-WC9/STL.6 overlay	ASTM A216-WCB/Cr13-NC
3	Stem	ASTM A182-F6a	ASTM A182-F316	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a-NC
4	Spring	Inconel X-750	Inconel X-750	Inconel X-750	Inconel X-750	Inconel X-750
5	Spring Retainer	ASTM A182-F6a	ASTM A182-F316	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a-NC
6	Lantern Ring	ASTM A182-F6a	ASTM A182-F316	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a-NC
7	Eye Bolt	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel	Carbon Steel



DUAL PLATE CHECK VALVE
CW Series
Wafer Type
600LB 900LB 1500LB



Class 600

Size		A		B		t		Stud Details						End Facing	Weight		
								NO.	Diameter		RF Stud Length		RTJ Stud Length		lbs	kg	
NPS	DN	in	mm	in	mm	in	mm		in	mm	in	mm					
2"	50	4.38	111	2.38	60	11.2	284.48	8	0.63	16	6.5	165	7	178	RF/RTJ	6.37	2.94
3"	80	5.83	148	2.88	73	12.7	322.58	8	0.75	19	7.75	197	8.25	210	RF/RTJ	12.74	5.88
4"	100	7.63	194	3.13	79	16	322.58	8	0.88	22	8.75	222	9.25	235	RF/RTJ	23.52	10.78
6"	150	10.5	267	5.38	137	19.1	406.4	12	1	25	12	305	12.75	324	RF/RTJ	67.62	30.38
8"	200	12.63	321	6.5	165	25.4	485.14	12	1.13	29	14.25	312	14.75	375	RF/RTJ	113.68	51.94
10"	250	15.75	400	8.38	213	28.7	728.98	16	1.25	32	17	432	17.5	445	RF/RTJ	205.8	93.1
12"	300	18	457	9	229	31.8	807.72	20	1.25	32	17.75	451	18.25	464	RF/RTJ	294	133.28
14"	350	19.38	492	10.75	273	35.1	891.54	20	1.38	35	20.25	514	20.75	527	RF/RTJ	421.4	191.1
16"	400	22.25	565	12	305	38.1	967.74	20	1.5	38	22.25	565	22.75	578	RF/RTJ	637	289.1
18"	450	24.13	613	14.25	362	41.4	1051.56	20	1.63	41	25.25	641	25.75	654	RF/RTJ	833	378.28
20"	500	26.88	683	14.5	368	44.5	1130.3	24	1.63	41	26	660	26.75	679	RF/RTJ	1102.5	499.8
24"	600	31.13	791	17.25	438	50.8	1290.32	24	1.63	41	29.75	756	30.75	781	RF/RTJ	1715	778.12
26"	650	34.13	867	18	457	—	—	28	1.88	48	31.75	806	32.75	832	RF/RTJ	1911	867.3
28"	700	36	914	19	483	—	—	28	2	51	33.25	845	34.25	870	RF/RTJ	2254	1022.14
30"	750	38.25	972	19.88	505	60.5	1536.7	28	2	51	34.25	870	35.25	895	RF/RTJ	2793	1267.14
32"	800	40.25	1022	21	533	—	—	28	2.25	57	36.25	921	37.25	946	RF/RTJ	3136	1422.96
36"	900	44.5	1130	25	635	70.4	1788.16	28	2.5	64	41.25	1048	42.5	1080	RF/RTJ	4606	2089.36
40"	1000	45.5	1156	26	660	—	—	32	2.25	57	44.5	1130	—	—	RF	5096	2311.82
42"	1050	48	1219	27.6	701	80	2032	28	2.5	64	47.25	1200	—	—	RF	5880	2667.56

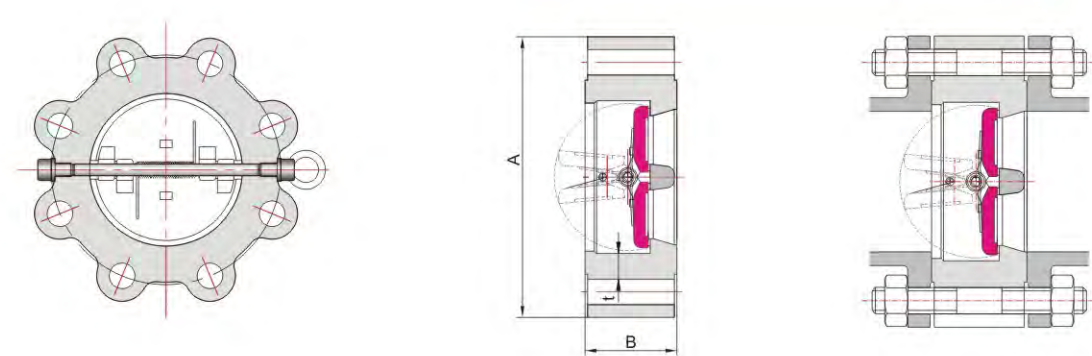
Class 900

Size		A		B		t		Stud Details						End Facing	Weight		
								NO.	Diameter		RF Stud Length		RTJ Stud Length				
NPS	DN	in	mm	in	mm	in	mm		in	mm	in	mm	in	mm	lbs	kg	
2"	50	5.63	143	2.75	70	19.10	485.14	8	0.88	22	8.50	216	8.75	222	RF/RTJ	11.27	2.94
3"	80	6.63	168	3.25	83	19.10	485.14	8	0.88	22	8.50	216	9.00	229	RF/RTJ	20.58	9.8
4"	100	8.13	206	4.00	102	21.30	541.02	8	1.13	29	10.25	260	10.75	273	RF/RTJ	42.14	19.6
6"	150	11.38	289	6.25	159	26.20	665.48	12	1.13	29	13.25	337	13.75	349	RF/RTJ	122.5	55.86
8"	200	14.13	359	8.13	206	31.80	807.72	12	1.38	35	16.25	413	16.75	425	RF/RTJ	269.5	122.5
10"	250	17.13	435	9.50	241	36.60	929.64	16	1.38	35	18.50	470	18.75	476	RF/RTJ	392	177.38
12"	300	19.63	498	11.50	292	42.20	1071.88	20	1.38	35	20.75	527	21.25	540	RF/RTJ	441	199.92
14"	350	20.50	521	14.00	356	46.00	1168.4	20	150.00	38	23.75	603	14.50	622	RF/RTJ	686	311.64
16"	400	22.63	575	15.13	384	52.30	1328.42	20	163.00	41	25.50	648	26.25	667	RF/RTJ	931	422.38
18"	450	25.13	638	17.75	451	57.20	1452.88	20	1.88	48	29.25	743	30.00	762	RF/RTJ	1372	622.3
20"	500	27.50	699	17.75	451	63.50	1612.9	20	2.00	51	30.00	762	31.00	787	RF/RTJ	1617	733.04
24"	600	33.00	838	19.50	495	73.20	1859.28	20	2.50	64	33.75	857	35.00	889	RF/RTJ	2278.5	1033.9

Class 1500

Size		A		B		t		Stud Details							End Facing	Weight	
NPS	DN	in	mm	in	mm	in	mm	NO.	Diameter		RF Stud Length		RTJ Stud Length			lbs	kg
2"	50	5.63	143	2.75	70	19.10	485.14	8	0.88	22	8.50	216	8.75	222	RF/RTJ	11.27	4.9
3"	80	6.88	175	3.25	83	23.90	607.06	8	1.13	29	10.25	260	10.50	267	RF/RTJ	22.54	9.8
4"	100	8.25	210	4.00	102	28.70	728.98	8	1.25	32	11.75	298	12.00	305	RF/RTJ	44.1	19.6
6"	150	11.13	283	6.25	159	38.10	967.74	12	1.38	35	16.50	419	17.00	432	RF/RTJ	122.5	55.86
8"	200	13.88	352	8.13	206	47.80	1214.12	12	1.63	41	19.75	502	20.50	521	RF/RTJ	269.5	122.5
10"	250	17.13	435	9.75	248	57.20	1452.88	12	1.88	48	23.25	591	23.75	603	RF/RTJ	421.4	191.1
12"	300	20.50	521	12.00	305	66.80	1696.72	16	2.00	51	27.00	686	28.00	711	RF/RTJ	686	311.64
14"	350	22.75	578	14.00	356	69.90	1775.46	16	2.25	57	30.25	768	31.50	800	RF/RTJ	906.5	411.6
16"	400	25.25	641	15.13	384	79.50	2019.3	16	2.50	64	32.75	832	34.25	870	RF/RTJ	1274	578.2
18"	450	27.75	705	18.44	468	88.90	2258.06	16	2.75	70	38.00	965	39.50	1003	RF/RTJ	1862	844.76
20"	500	29.75	756	21.00	533	98.60	2504.44	16	3.00	76	42.25	1073	44.00	1118	RF/RTJ	2548	1155.42
24"	600	35.50	902	22.00	559	114.30	2903.22	16	3.50	89	46.25	1175	48.50	1232	RF/RTJ	3650.5	1656.2

DUAL PLATE CHECK VALVE
CW Series
Lug Type
150LB 300LB



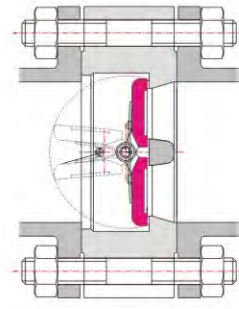
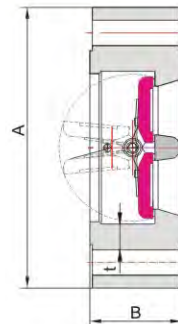
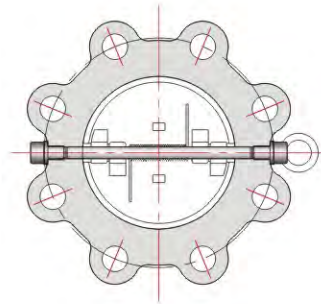
Class 150

Size		A		B		t		Stud Details						End Facing	Weight	
NPS	DN	in	mm	in	mm	in	mm	NO.	Diameter		RF Stud Length		lbs		kg	
									in	mm	in	mm				
2"	50	6.00	152	2.38	60	8.60	218.44	4	0.63	16	2.75	70	RF	8.82	3.92	
2 1/2"	65	7.00	178	2.63	67	9.70	246.38	4	0.63	16	2.75	70	RF	23.52	10.78	
3"	80	7.50	191	2.88	73	10.40	264.16	4	0.63	16	3.00	76	RF	17.64	7.84	
4"	100	9.00	229	2.88	73	11.20	284.48	8	0.63	16	3.00	76	RF	32.34	14.7	
5"	125	10.00	254	3.38	86	—	—	8	0.75	19	3.25	83	RF	51.94	23.52	
6"	150	11.00	279	3.88	98	11.90	302.26	8	0.75	19	3.25	83	RF	51.94	23.52	
8"	200	13.50	343	5.00	127	12.70	322.58	8	0.75	19	3.50	89	RF	127.4	57.82	
10"	250	16.00	406	5.75	146	14.20	360.68	12	0.88	22	3.75	95	RF	211.68	96.04	
12"	300	19.00	483	7.13	181	16.00	406.4	12	0.88	22	3.75	95	RF	264.6	120.54	
14"	350	21.00	533	7.25	184	16.80	426.72	12	0.10	25	4.25	108	RF	323.4	147	
16"	400	23.50	597	7.50	191	17.50	444.5	16	0.10	29	4.25	108	RF	411.6	187.18	
18"	450	25.00	635	8.00	203	18.30	464.82	16	1.13	29	4.75	121	RF	490	222.46	
20"	500	27.50	699	8.63	219	19.10	485.14	20	1.13	32	5.00	127	RF	637	289.1	
24"	600	32.00	813	8.75	222	20.60	523.24	20	1.25	32	5.50	140	RF	833	378.28	
26"	650	34.25	870	14.00	356	—	—	24	1.25	32	6.50	165	RF	1568	711.48	
28"	700	36.50	927	15.00	381	—	—	28	1.25	32	6.50	165	RF	1862	844.76	
30"	750	38.75	984	12.00	305	23.10	586.74	28	1.25	32	6.75	171	RF	1666	756.56	
32"	800	41.75	1060	14.00	356	—	—	28	1.50	38	7.50	191	RF	2352	1067.22	
36"	900	46.00	3368	14.50	368	25.40	645.16	32	1.50	38	8.00	203	RF	2744	1244.6	
40"	1000	50.75	1289	17.00	432	—	—	36	1.50	38	8.00	203	RF	4018	1822.8	
42"	1050	53.00	1340	17.00	432	27.70	703.58	36	1.50	38	8.25	210	RF	4312	1956.08	
48"	1200	59.50	1511	20.63	524	30.20	767.08	44	1.50	38	8.75	222	RF	6468	2934.12	
54"	1350	66.25	1083	23.25	591	—	—	44	1.75	44	9.75	248	RF	8134(2)	3689.7(2)	
60"	1500	73.00	1854	26.00	660	—	—	52	1.75	44	10.25	260	RF	10486(2)	4755.94(2)	

Class 300



DUAL PLATE CHECK VALVE
CW Series
Lug Type
600LB 900LB 1500LB



Class 600

Size		A		B		t		Stud Details							End Facing	Weight	
								NO.	Diameter		RF Stud Length		RTJ Stud Length			lbs	kg
									in	mm	in	mm	in	mm	in		
NPS	DN	in	mm	in	mm	in	mm		in	mm	in	mm	in	mm			
2"	50	6.50	165	2.38	60	11.20	284.48	8	0.63	16	3.25	83	3.75	95	RF/RTJ	17.64	7.84
3"	80	8.25	210	2.88	73	12.70	322.58	8	0.75	19	3.75	95	4.25	108	RF/RTJ	32.34	14.7
4"	100	10.75	273	3.13	79	16.00	322.58	8	0.88	22	4.25	108	4.75	121	RF/RTJ	78.4	38.22
6"	150	14.00	356	5.38	137	19.1	406.4	12	1.00	25	5.00	127	5.50	140	RF/RTJ	168.56	76.44
8"	200	16.50	419	6.50	165	25.40	485.14	12	1.13	29	5.75	146	6.00	152	RF/RTJ	305.76	139.16
10"	250	20.00	508	8.38	213	28.70	728.98	16	1.25	32	6.25	159	6.75	171	RF/RTJ	504.7	229.32
12"	300	22.00	559	9.00	229	31.80	807.72	20	1.25	32	6.50	165	6.75	171	RF/RTJ	539	245
14"	350	23.75	603	10.75	273	35.10	891.54	20	1.38	35	6.75	171	7.25	184	RF/RTJ	784	355.74
16"	400	27.00	686	12.00	305	38.10	967.74	20	1.50	38	7.50	191	7.75	197	RF/RTJ	1127	511.56
18"	450	29.25	743	14.25	362	41.40	1051.56	20	1.63	41	8.00	203	8.50	216	RF/RTJ	1519	688.94
20"	500	32.00	813	14.50	368	44.50	1130.3	24	1.63	41	8.25	210	9.00	229	RF/RTJ	1862	844.76
24"	600	37.00	940	17.25	438	50.80	1290.32	24	1.63	41	8.75	222	9.50	241	RF/RTJ	2940	1274.98
26"	650	40.00	1016	18.00	457	—	—	28	1.88	48	9.50	241	10.50	267	RF/RTJ	3332	1511.16
28"	700	42.25	1073	19.00	483	—	—	28	2.00	51	10.00	254	11.00	179	RF/RTJ	3920	1777.72
30"	750	44.50	1130	19.88	505	60.50	1536.7	28	2.00	51	10.25	260	11.25	286	RF/RTJ	4606	2089.36
32"	800	47.00	1194	21.00	533	—	—	2a	2.25	57	11.00	279	12.00	305	RF/RTJ	5292	2400.02
36"	900	51.75	1314	25.00	635	70.40	1788.16	28	2.50	64	11.75	298	13.00	330	RF/RTJ	7644	3467.24
40"	1000	52.00	1321	26.00	660	—	—	32	2.25	57	12.50	318	—	—	RF	7938	3600.52
42"	1050	55.25	1403	27.60	701	80.00	2032	28	2.50	64	13.50	343	—	—	RF	9408	4267.9

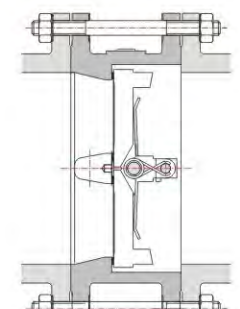
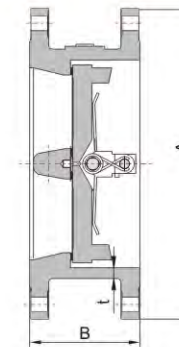
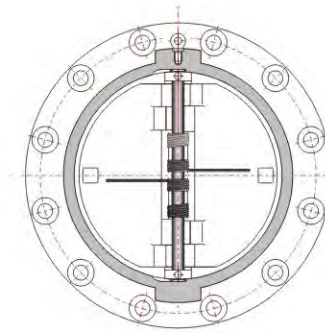
Class 900

Size		A		B		t		Stud Details								End Facing	Weight	
								NO.	Diameter		RF Stud Length		RTJ Stud Length					
NPS	DN	in	mm	in	mm	in	mm		in	mm	in	mm	in	mm	lbs	kg		
2"	50	8.50	216	2.75	70	19.10	485.14	8	0.88	22	4.25	108	4.75	121	RF/RTJ	36.26	16.66	
3"	80	9.50	241	3.25	83	19.10	485.14	8	0.88	22	4.00	102	4.50	114	RF/RTJ	58.8	26.46	
4"	100	11.50	292	4.00	102	21.30	541.02	8	1.13	29	5.00	127	5.50	140	RF/RTJ	93.1	42.14	
6"	150	15.00	381	6.25	159	26.20	665.48	12	1.13	29	5.25	133	5.75	146	RF/RTJ	249.9	113.68	
8"	200	18.50	470	8.13	207	31.80	807.72	12	1.38	35	6.25	159	6.75	171	RF/RTJ	470.4	213.64	
10"	250	21.50	546	9.50	241	36.60	929.64	16	1.38	35	6.50	165	7.00	178	RF/RTJ	715.4	324.38	
12"	300	24.00	610	11.50	292	42.20	1071.88	20	1.38	35	6.75	171	7.25	184	RF/RTJ	833	378.28	
14"	350	25.25	641	14.00	356	46.00	1168.4	20	1.50	38	7.25	184	7.75	197	RF/RTJ	1225	555.66	
16"	400	27.75	705	15.13	384	52.30	1328.42	20	1.63	41	7.75	197	8.50	216	RF/RTJ	1617	733.04	
18"	450	31.00	787	17.75	451	57.20	1452.88	20	1.88	48	8.50	216	9.50	241	RF/RTJ	2450	1111.32	
20"	500	33.75	857	17.75	451	63.50	1612.9	20	2.00	51	9.25	235	10.00	254	RF/RTJ	2842	1288.7	
24"	600	41.00	1041	19.50	495	73.20	1859.28	20	2.50	64	11.00	279	12.00	305	RF/RTJ	4312	1956.08	

Class 1500

Size		A		B		t		Stud Details								End Facing	Weight	
								NO.	Diameter		RF Stud Length		RTJ Stud Length					
									in	mm	in	mm	in	mm	in	mm		
NPS	DN	in	mm	in	mm	in	mm								lbs	kg		
2"	50	8.50	216	2.75	70	19.10	485.14	8	0.88	22	4.25	108	4.75	121	RF/RTJ	34.3	15.68	
3"	80	10.50	267	3.25	83	23.90	607.06	8	1.13	29	5.25	133	5.75	146	RF/RTJ	69.58	31.36	
4"	100	12.25	311	4.00	102	28.70	728.98	8	1.25	32	6.00	152	6.25	159	RF/RTJ	147	66.64	
6"	150	15.50	394	6.25	159	38.10	967.74	12	1.38	35	7.25	184	7.75	197	RF/RTJ	259.7	117.6	
8"	200	19.00	483	8.13	207	47.80	1214.12	12	1.63	41	8.25	210	9.00	229	RF/RTJ	24.5	278.32	
10"	250	23.00	584	9.75	248	57.20	1452.88	12	1.88	48	9.50	241	10.25	260	RF/RTJ	782.04	354.76	
12"	300	26.50	673	12.00	305	66.80	1696.72	16	2.00	51	10.50	267	11.50	292	RF/RTJ	1372	622.3	
14"	350	29.50	749	14.00	356	69.90	1775.46	16	2.25	57	11.50	292	12.75	324	RF/RTJ	2352	1067.22	
16"	400	32.50	826	15.13	384	79.50	2019.3	16	2.50	64	12.75	324	14.00	356	RF/RTJ	2450	1111.32	
18"	450	36.00	914	18.44	468	88.90	2258.06	16	2.75	70	14.00	356	15.25	387	RF/RTJ	3822	1733.62	
20"	500	38.75	984	21.00	533	98.60	2504.44	16	3.00	76	15.25	387	16.75	425	RF/RTJ	5684	2578.38	
24"	600	40.00	1168	22.00	559	114.30	2903.22	16	3.50	89	17.50	445	19.25	489	RF/RTJ	7056	3200.68	

DUAL PLATE CHECK VALVE
CW Series
Double Flanged Type
150LB 300LB 600LB 900LB



Class 150

Size		A		B		t		Stud Details						End Facing	Weight	
NPS	DN	in	mm	in	mm	in	mm	NO.	Diameter		RF Stud Length					
									in	mm	in	mm				
12"	300	19.00	483	7.13	181	16.00	406.4	12	0.88	22	4.75	121	RF	273.42	124.46	
14"	350	21.00	533	7.25	184	16.80	426.72	12	0.10	25	5.25	133	RF	312.62	142.1	
16"	400	23.50	597	7.50	191	17.50	444.5	16	0.10	29	5.50	140	RF	379.26	172.48	
18"	450	25.00	635	8.00	203	18.30	464.82	16	1.13	29	6.00	152	RF	450.8	204.82	
20"	500	27.50	699	8.63	219	19.10	485.14	20	1.13	32	6.25	159	RF	588	266.56	
24"	600	32.00	813	8.75	222	20.60	523.24	20	1.25	32	7.00	178	RF	844.76	383.18	
26"	650	34.25	870	14.00	356	—	—	24	1.25	32	8.75	222	RF	1470	666.4	
28"	700	36.50	927	15.00	381	—	—	28	1.25	32	9.00	229	RF	1666	755.58	
30"	750	38.75	984	12.00	305	23.10	586.74	28	1.25	32	9.25	235	RF	1715	778.12	
32"	800	41.75	1060	14.00	356	—	—	28	1.50	38	10.50	267	RF	2254	1022.14	
36"	900	46.00	1168	14.50	368	25.40	645.16	32	1.50	38	11.25	286	RF	2474.5	1122.1	
40"	1000	50.75	1289	17.00	432	—	—	36	1.50	38	11.25	286	RF	3822	1733.62	
42"	1050	53.00	1340	17.00	432	27.70	703.58	36	1.50	38	11.75	298	RF	4135.6	1875.72	
48"	1200	59.50	1511	20.63	524	30.20	767.08	44	1.50	38	12.50	318	RF	5782	2622.48	
54"	1350	66.25	1683	23.25	591	—	—	44	1.75	44	14.00	356	RF	7546	3423.14	
60"	1500	73.00	1854	26.00	660	—	—	52	1.75	44	15.00	381	RF	9800	4445.28	

Class 300

Size		A		B
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CAST STEEL PRESSURE SEAL VALVE

Special designed
for high temperature and
high pressure application;
Tight and Reliable Sealing;
Compact structure;
Minimum maintenance.



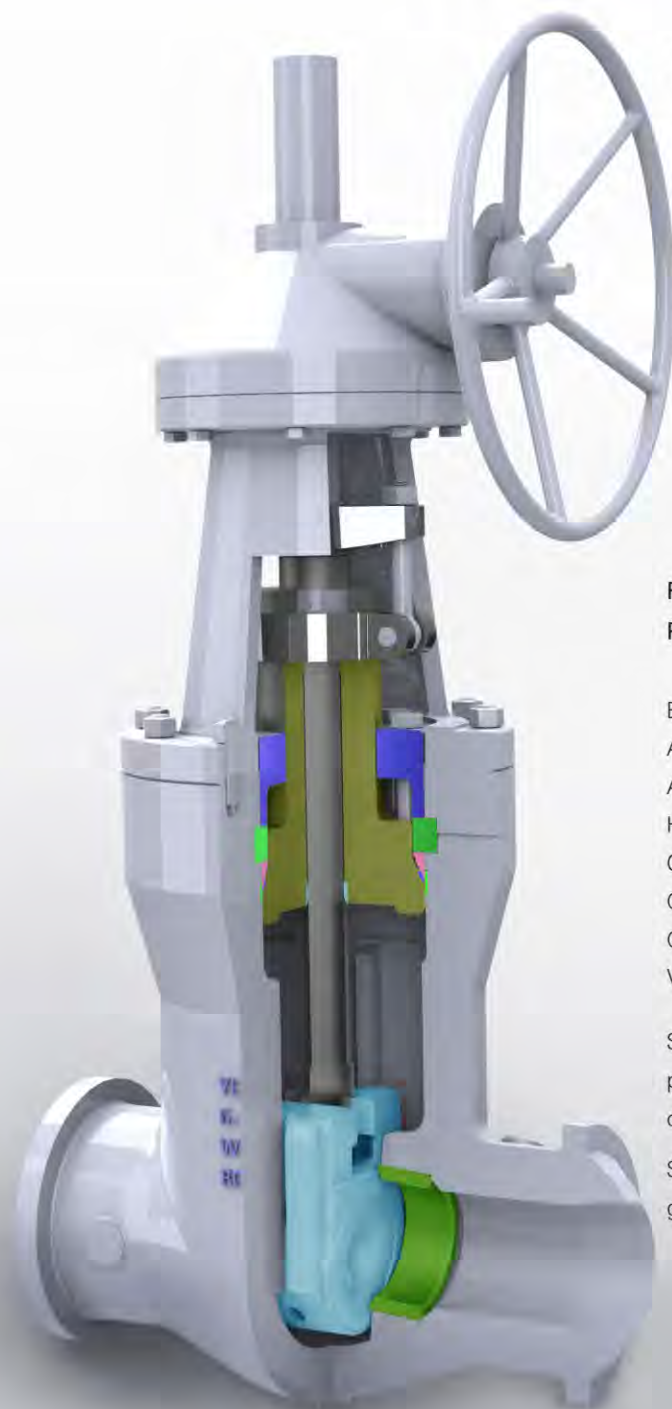
Stellite faced flexible "H" type wedge prevents sticking due to temperature changes and pipe line stresses.

Seal rings are stellite faced and securely welded in place.

The bonnet joint remains tight under all operating conditions as the sealing pressure is always many times greater than the pressure of the fluid in the line, thereby eliminating leakage. The higher the internal pressure, the greater the sealing pressure.



CAST STEEL PRESSURE SEAL GATE VALVE



YDF GAPS series Gate Valve are manufactured in accordance with API 600 specification and tested to API 598, and this series valves are of API 591 certified, and API624, ISO15848, TA Luft Certified. To ensure casting integrity, all pressure contain casting are from YDF own foundry.

Flanged Ends / Butt Welding Ends Pressure Seal Bonnet OS&Y

End to end dimensions and wall thickness conform to ANSI and API specification;
Anti blow-out stem design;
Hard facing seat design;
Gear operator can be furnished upon request;
Optional by pass design;
Optional double packing with lantern ring;
Vacuum PWHT applied for Cr-Mo pup piece welding.

Stellite faced flexible “H” type wedge prevents sticking due to temperature changes and pipe line stresses.

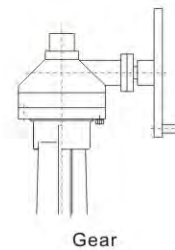
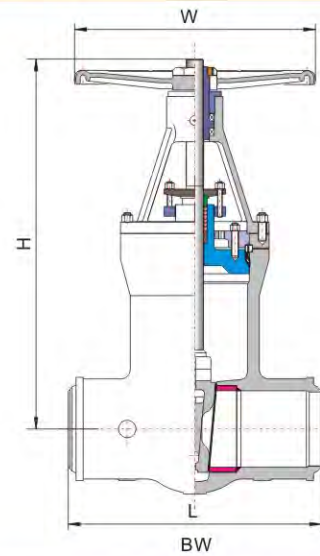
Stellite back seat area provides accurate guiding of stem.

Part	Standard	Stainless Steel	Low Temperature	High Temperature	Sour Service
Body	ASTM A216 GR.WCB	ASTM A351 GR.CF8M	ASTM A352 GR.LCC	ASTM A217 GR.WC9	ASTM A216 GR.WCB
Seat Ring	ASTM A105N + STL.6	ASTM A182 GR.F316+STL.6	ASTM A350 GR.LF2+STL.6	ASTM A182 F22 + STL.6	ASTM A105N + STL.6
Flexible Wedge	ASTM A216 GR.WCB + Cr13	ASTM A351 GR.CF8M	ASTM A352 GR.LCC	ASTM A217 GR.WC9 + Cr13	ASTM A216 GR.WCB + Cr13
Stem	ASTM A182 GR. F6a	ASTM A182 GR.F316	ASTM A182 GR.F316	ASTM A182 GR. F6a	ASTM A182 GR. F6a-NC
Stuffing Box	ASTM A216 GR.WCB	ASTM A351 GR.CF8M	ASTM A352 GR.LCC	ASTM A217 GR.WC9	ASTM A216 GR.WCB
Sealing Ring	304 + Graphite	316 + Graphite	316 + Graphite	304 + Graphite	304 + Graphite
Pressure Ring	ASTM A276 Type 410	ASTM A276 Type 316	ASTM A276 Type 316	ASTM A276 Type 410	ASTM A276 Type 410-NC
Segment Ring	ASTM A182 GR. F6a	ASTM A182 GR.F316	ASTM A182 GR.F316	ASTM A182 GR. F6a	ASTM A182 GR. F6a-NC
Suppor Plate	ASTM A216 GR.WCB	ASTM A351 GR.CF8M	ASTM A352 GR.LCC	ASTM A217 GR.WC9	ASTM A216 GR.WCB
Packing	Graphite Ring	Graphite Ring	Graphite Ring	Graphite Ring	Graphite Ring
Box-Plate Bolt	ASTM A193 GR.B7	ASTM A193 GR.B8	ASTM A320 GR.L7	ASTM A193 GR.B16	ASTM A193 GR.B7M
Box-Plate Nut	ASTM A194 GR.2H	ASTM A194 GR.8	ASTM A194 GR.7	ASTM A194 GR.4	ASTM A194 GR.2HM
Bolt	ASTM A193 GR.B7	ASTM A193 GR.B8	ASTM A320 GR.L7	ASTM A193 GR.B16	ASTM A193 GR.B7M
Nut	ASTM A194 GR.2H	ASTM A194 GR.8	ASTM A194 GR.7	ASTM A194 GR.4	ASTM A194 GR.2HM
Gland Flange Seat	ASTM A105N	ASTM A182 GR.F316	ASTM A350 GR.LF2	ASTM A182 F22	ASTM A105N
Gland	ASTM A276 Type 410	ASTM A276 Type 316	ASTM A276 Type 316	ASTM A276 Type 410	ASTM A276 Type 410-NC
Gland Flange	ASTM A216 GR.WCB	ASTM A351 GR.CF8M	ASTM A352 GR.LCC	ASTM A217 GR.WC9	ASTM A216 GR.WCB
Gland Eye Bolt	ASTM A193 GR.B7	ASTM A193 GR.B8	ASTM A320 GR.L7	ASTM A193 GR.B16	ASTM A193 GR.B7M
Gland Eyebolt Nut	ASTM A194 GR.2H	ASTM A194 GR.8	ASTM A194 GR.7	ASTM A194 GR.4	ASTM A194 GR.2HM
Yoke	ASTM A216 GR.WCB	ASTM A351 GR.CF8M	ASTM A352 GR.LCC	ASTM A217 GR.WC9	ASTM A216 GR.WCB
Bearing	Steel	Stainless Steel	Stainless Steel	Steel	Steel
Yoke Sleeve	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
Grease Nipple	Carbon Steel	Stainless Steel	Stainless Steel	Carbon Steel	Carbon Steel
Retaining Nut	Carbon Steel	Stainless Steel	Stainless Steel	Carbon Steel	Carbon Steel
Handwheel	Malleable Iron	Malleable Iron	Malleable Iron	Malleable Iron	Malleable Iron
Screw	Carbon Steel	Stainless Steel	Stainless Steel	Carbon Steel	Carbon Steel
Handwheel Nut	Carbon Steel	Stainless Steel	Stainless Steel	Carbon Steel	Carbon Steel

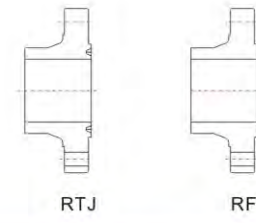


CAST STEEL
PRESSURE SEAL GATE VALVE
GAPS Series

600LB 900LB



Gear



RTJ

RF

Class600

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750
L-L1 (RF-BW)	in	11.5	13.0	14.0	17.0	20.0	22.0	26.0	31.0	33.0	35.0	39.0	43.0	47.0	55.0	57.0	61.0	65.0
	mm	292.0	330.0	356.0	432.0	508.0	559.0	660.0	787.0	838.0	889.0	991.0	1092.0	1194.0	1397.0	1448.0	1549.0	1651.0
L2 (RTJ)	in	11.6	13.1	14.1	17.1	20.1	22.1	26.1	31.1	33.1	35.1	39.1	43.1	47.3	55.4	57.5	61.5	65.5
	mm	295.0	333.0	359.0	435.0	511.0	562.0	663.0	790.0	841.0	892.0	994.0	1095.0	1200.0	1407.0	1461.0	1562.0	1664.0
W	in	7.9	9.8	9.8	13.8	15.7	17.7	19.7	23.6	26.8	24.0	24.0	24.0	24.0	24.0	31.5	31.5	39.4
	mm	200.0	250.0	250.0	350.0	400.0	450.0	500.0	600.0	680.0	610.0	610.0*	610.0*	610.0*	610.0*	800.0*	800.0*	1000.0*
H	in	23.2	24.8	26.3	36.0	39.4	42.5	49.9	59.5	70.5	73.1	85.1	88.6	97.3	118.1	128.0	137.9	149.0
	mm	589.3	629.9	668.0	914.4	1000.8	1079.5	1267.5	1511.3	1790.7	1856.7	2161.5	2250.4	2471.4	2999.7	3251.2	3502.7	3784.6
WT(RF)	kg	70.0	95.0	100.0	149.0	208.0	245.0	320.0	430.0	515.0	670.0	905.0	1150.0	1445.0	2080.0	2445.0	2895.0	3250.0
WT(BW)	kg	62.0	80.0	84.0	115.0	150.0	171.0	215.0	268.0	318.0	435.0	570.0	720.0	890.0	1285.0	1510.0	1750.0	2010.0

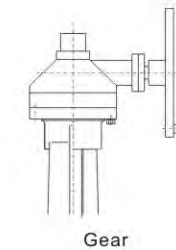
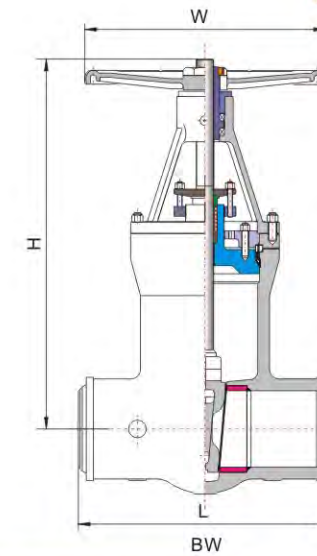
Class900

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L (BW)	in	8.5	10.0	12.0	14.0	20.0	26.0	31.0	36.0	39.0	43.0	48.0	52.0	61.0	65.0	68.0	71.5
	mm	215.9	254.0	304.8	355.6	508.0	660.4	787.4	914.4	990.6	1092.2	1219.2	1320.8	1549.4	1651.0	1727.2	1816.1
L1 (RF)	in	14.5	16.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5	48.0	52.0	61.0			
	mm	368.3	419.1	381.0	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1219.2	1320.8	1549.4			
L2 (RTJ)	in	14.6	16.6	15.1	18.1	24.1	29.1	33.1	38.1	40.9	44.9	48.5	52.5	61.8			
	mm	370.8	421.6	383.5	459.7	612.1	739.1	840.7	967.7	1038.9	1140.5	1231.9	1333.5	1569.7			
W	in	10.0	10.0	12.0	14.0	20.0	24.0	24.0	24.0	24.0	24.0	30.5	30.5	39.4	39.4	39.4	47.3
	mm	254.0	254.0	304.8	355.6	508.0	609.6*	609.6*	609.6*	609.6*	609.6*	774.7*	774.7*	1000.8*	1000.8*	1000.8	1201.4
H	in	23.0	30.0	30.0	34.0	40.0	50.0	61.0	70.0	80.0	89.0	97.3	108.3	127.6	138.3	149.0	159.5
	mm	584.2	762.0	762.0	863.6	1016.0	1270.0	1549.4	1778.0	2032.0	2260.6	2471.4	2750.8	3241.0	3512.8	3784.6	4051.3
WT(RF)	kg	63.0	99.0	107.0	158.0	294.0	693.0	1008.0	1418.0	1785.0	2520.0	3820.0	4400.0	6770.0			
WT(BW)	kg	42.0	67.0	70.0	108.0	194.0	520.0	772.0	1103.0	1470.0	2048.0	2730.0	3685.0	5430.0	6370.0	7385.0	8480.0

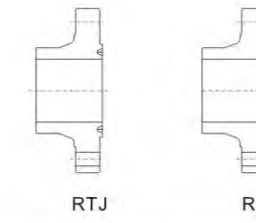
* Gear

CAST STEEL
PRESSURE SEAL GATE VALVE
GAPS Series

1500LB 2500LB



Gear



RTJ

RF

Class1500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L (BW)	in	8.5	10	12	16	22	28	34	39	42	47	53	58	66
	mm	215.9	254	304.8	406.4	558.8	711.2	863.6	990.6	1066.8	1193.8	1346.2	1473.2	1676.4
L1 (RF)	in	14.5	16.5	18.5	21.5	27.8	32.8	39	44.5	49.5	54.5	60.5	65.5	76.5
	mm	368.3	419.1	469.9	546.1	706.12	833.12	990.6	1130.3	1257.3	1384.3	1536.7	1663.7	1943.1
L2 (RTJ)	in	14.6	16.6	18.6	21.6	28.00	33.1	39.4	45.1	50.3	55.4	61.4	66.4	77.6
	mm	370.84	421.64	472.44	548.64	711.2	840.74	1000.76	1145.54	1277.62	1407.16	1559.56	1686.56	1971.04
W	in	10	12	14	20	24	18	18	24	24	24	40	47.3	35.5
	mm	254	304.8	355.6	508	609.6	457.2*	457.2*	609.6*	609.6*	609.6*	1016*	1201.42*	901.7*
H	in	23	30	30	34	39	53	58	74	87	92	111.1	122.1	148.3
	mm	584.2	762	762	863.6	990.6	1346.2	1473.2	1879.6	2209.8	2336.8	2821.94	3101.34	3766.82
WT(RF)	kg	63	99	126	218	504	956	1481	2184	2741	3780	5960	7370	10610
WT(BW)	kg	42	67	87	150	367	718	1071	1523	1890	2888	4630	5720	8240

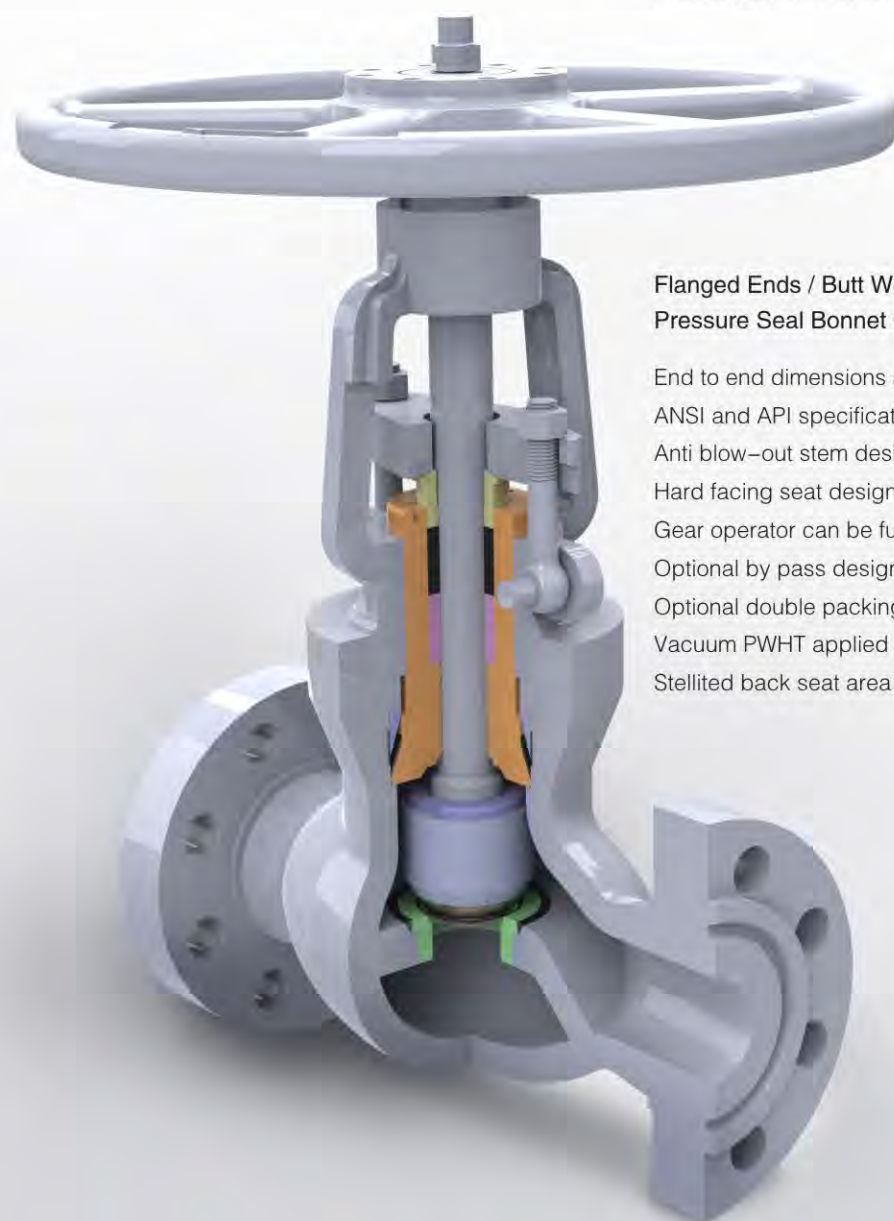
Class2500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L (BW)	in	11	13	14.5	18	24	30	36	41	44	49	55	61	68
	mm	279	330	368	457	610	762	914	1041	1118	1245	1397	1549	1727
L1 (RF)	in	17.9	20.3	22.8	26.5	36	40.3	50	56					
	mm	455	516	579	673	914	1024	1270	1422					
L2 (RTJ)	in	17.9	20.3	23.0	26.9	36.5	40.9	50.9	56.9					
	mm	454	514	584	683	927	1038	1445	1445					
W	in	14	18	18	20	24	24	24	24	24	24	32	32	40
	mm	356	457	457	508	610*	610*	610*	610*	610*	610*	813*	813*	1016*
H	in	23	30	30	34	44	55	69	74	94	97.3	116.1	128.8	153.6
	mm	584	762	762	864	1118	1397	1753	1880	2388	2471	2949	3272	3901
WT(RF)	kg	89	142	173	346	851	1386	2493	3091					
WT(BW)	kg	53	95	100	200	488	850	1680	2330	3400	4200	5000	6170	8880

* Gear

CAST STEEL PRESSURE SEAL GLOBE VALVE

YDF GLPS series pressure seal globe Valve are manufactured in accordance with BS1873 specification and tested to API 598, and this series valves are of API 591 certified, and API624, ISO15848, TA Luft Certified. To ensure casting integrity, all pressure contain casting are from YDF own foundry.



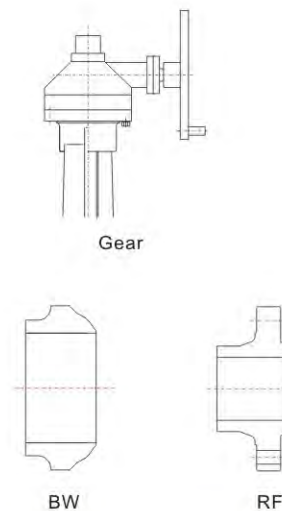
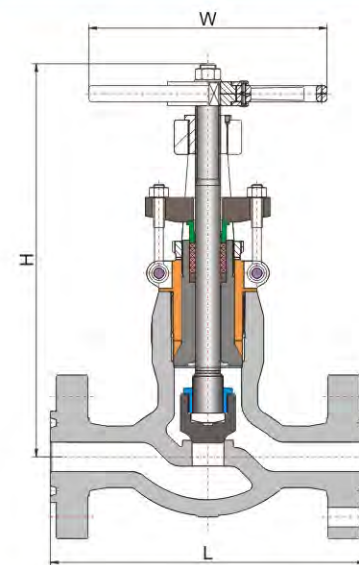
Flanged Ends / Butt Welding Ends Pressure Seal Bonnet OS&Y

End to end dimensions and wall thickness conform to ANSI and API specification;
Anti blow-out stem design;
Hard facing seat design;
Gear operator can be furnished upon request;
Optional by pass design;
Optional double packing with lantern ring;
Vacuum PWHT applied for Cr-Mo pup piece welding
Stellited back seat area provides accurate guiding of stem.

Part	Standard	Low Temperature	Stainless Steel	High Temperature	Sour Service
Body	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
Disc	ASTM A105N+STL.6	ASTM A350-LF2+STL.6	ASTM A182 F316+STL.6	ASTM A182 F22+STL.6	ASTM A105N+STL.6
Stem	ASTM A182-F6a	ASTM A182-F304	ASTM A182-F316	ASTM A182-F6a	ASTM A182-F6a-NC
Stuffing Box	ASTM A182 F6a	ASTM A182-F304	ASTM A182-F316	ASTM A182-F6a	ASTM A182 F6a-NC
Seal Ring	SS304/Graphite	SS304/Graphite	SS316/Graphite	SS304/Graphite	SS304/Graphite
Yoke	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
Lantern Ring	ASTM A182 F6a	ASTM A182 F304	ASTM A182-F316	ASTM A182 F6a	ASTM A182-F6a-NC
Packing	Graphite	Graphite	Graphite	Graphite	Graphite
Gland	ASTM A276-410	ASTM A276-304	ASTM A276-316	ASTM A276-410	ASTM A276-410
Gland Flang	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
Eye Bolt	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B16	ASTM A193 B7M
Nut	ASTM A193 2H	ASTM A193 7	ASTM A193 8	ASTM A193 4	ASTM A193 2HM
Stem Nut	ASTM A439 GR D-2	ASTM A439 GR D-2	ASTM A439 GR D-2	ASTM A439 GR D-2	ASTM A439 GR D-2
Handwheel Cover	ASTM A29 Type 1025	ASTM A29 Type 1025	ASTM A29 Type 1025	ASTM A29 Type 1025	ASTM A29 Type 1025
Impactor Handwheel	Ductile iron	Ductile iron	Ductile iron+Zn	Ductile iron	Ductile iron
Impact Block	ASTM A29 Type 1045	ASTM A29 Type 1045	ASTM A29 Type 1045	ASTM A29 Type 1045	ASTM A29 Type 1045
Disc Nut	ASTM A276-410	ASTM A276-304	ASTM A276-316	ASTM A276-410	ASTM A276-410-NC



CAST STEEL
PRESSURE SEAL GLOBE VALVE
GLPS Series
600LB 900LB



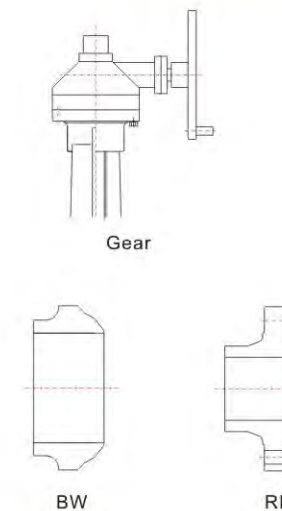
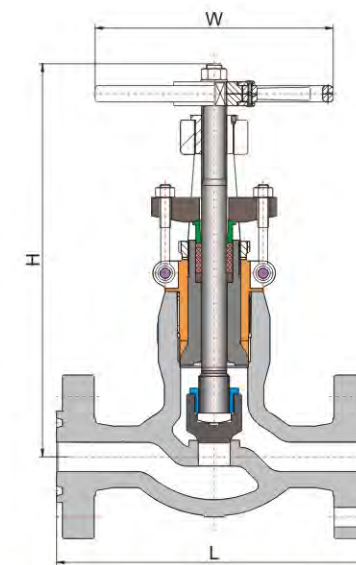
Class600

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
DN	mm	50	65	80	100	125	150	200	250	300	350	400
L-L1 (RF-BW)	in	11.5	13.0	14.0	17.0	20.0	22.0	26.0	31.0	33.0	35.0	39.0
	mm	292.1	330.2	355.6	431.8	508.0	558.8	660.4	787.4	838.2	889.0	991.0
L2(RTJ)	in	11.6	13.1	14.1	17.1	20.1	22.1	26.1	31.1	33.1	35.1	39.1
	mm	295.1	333.2	358.6	434.8	511.0	561.8	663.4	790.4	841.2	892.0	994.0
W	in	9.8	11.8	13.8	17.7	19.7	22.0	23.6	27.6	24.0	24.0	30.0
	mm	248.9	299.7	350.5	449.6	500.0	558.8	599.4	701.0	609.6	610.0	760.0
H	in	21.7	24.8	26.8	29.5	39.4	45.3	49.2	55.1	61.0	70.9	85.0
	mm	551.2	629.9	680.7	749.3	1000.0	1150.6	1249.7	1399.5	1549.4	1800.0	2150.0
WT(RF)	kg	45.0	55.0	85.0	135.0	190.0	305.0	620.0	1310.0	1900.0	2720.0	3150.0
WT(BW)	kg	35.0	45.0	60.0	95.0	150.0	230.0	540.0	1150.0	1720.0	2530.0	2900.0

Class900

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"
DN	mm	50	65	80	100	150	200	250	300	350	400
L-L1 (RF-BW)	in	14.5	16.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5
	mm	368.0	419.0	381.0	457.0	610.0	737.0	838.0	965.0	1029.0	1130.0
L2(RTJ)	in	14.6	16.6	15.1	18.1	24.1	29.1	33.1	38.1	40.9	44.9
	mm	371.0	422.0	384.0	460.0	613.0	740.0	841.0	968.0	1038.0	1140.0
W	in	14.0	14.0	18.0	20.0	24.0	24.0	24.0	39.4	39.4	47.3
	mm	355.6	355.6	457.2	508.0	609.6	609.6	609.6	1000.3	1000.3	1200.2
H	in	24.4	25.2	28.4	33.5	48.2	53.1	61.0	68.9	78.8	91.0
	mm	619.8	640.1	721.4	850.9	1224.3	1348.7	1549.4	1749.6	2000.3	2311.4
WT(RF)	kg	84.0	110.0	116.0	179.0	441.0	1050.0	1720.0	2300.0	3350.0	4000.0
WT(BW)	kg	58.0	74.0	84.0	137.0	378.0	945.0	1520.0	2050.0	3050.0	3600.0

CAST STEEL
PRESSURE SEAL GLOBE VALVE
GLPS Series
1500LB 2500LB



Class1500

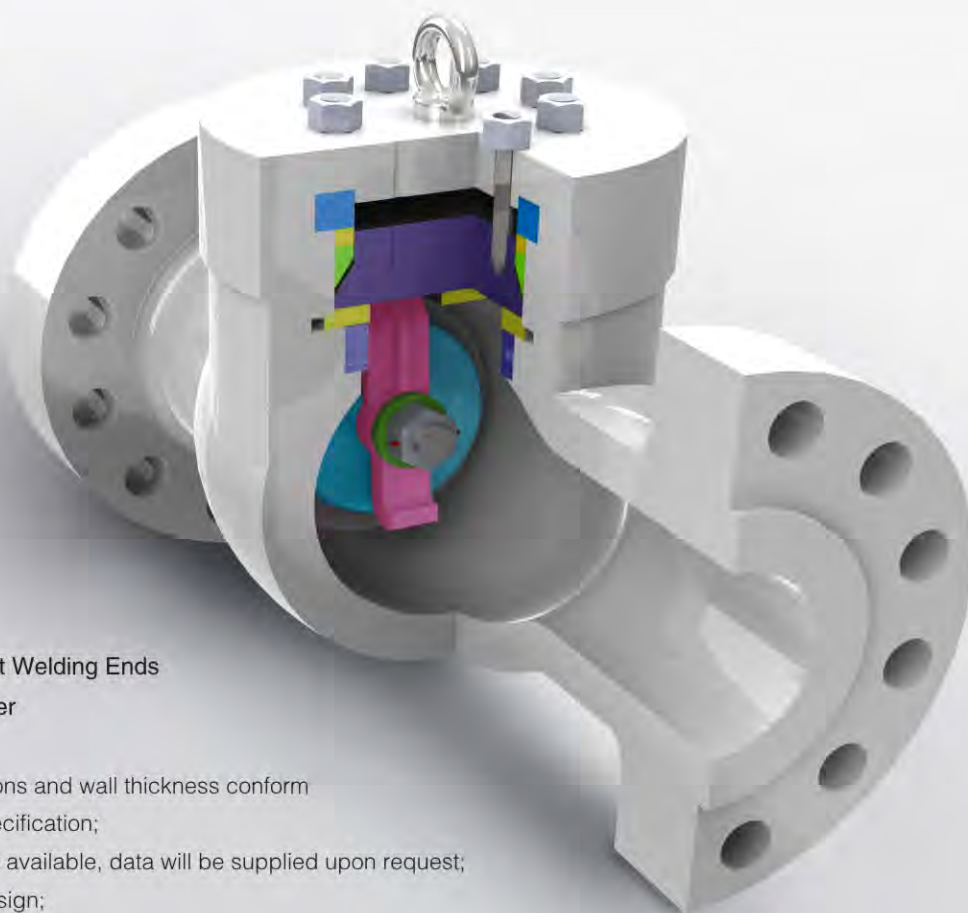
NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"
DN	mm	50	65	80	100	150	200	250	300	350
L-L1 (RF-BW)	in	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5
	mm	368.3	419.1	469.9	546.1	704.85	831.85	990.6	1130.3	1257.3
L2(RTJ)	in	14.62	16.62	18.62	21.62	28.00	33.13	39.38	45.13	50.25
	mm	371.348	422.148	472.948	549.148	711.2	841.502	1000.252	1146.302	1276.35
W	in	14	14	20	22	24	24	39.38	39.38	47.25
	mm	355.6	355.6	508	558.8	609.6	609.6	1000.252	1000.252	1200.15
H	in	24.4	25.2	32.9	33.7	48.4	70.9	78.78	91	106
	mm	619.76	640.08	835.66	855.98	1229.36	1800.86	2001.012	2311.4	2692.4
WT(RF)	kg	84	116	143	236	918	1764	2680	3400	4300
WT(BW)	kg	58	62	128	168	781	1502	2280	2830	3600

Class2500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"
DN	mm	50	65	80	100	150	200	250	300
L-L1 (RF-BW)	in	17.75	20	22.75	26.5	36	40.25	50	56
	mm	451	508	578	673	914	1022	1270	1422
L2(RTJ)	in	17.88	20.25	23.00	26.88	36.5	40.88	50.9	56.88
	mm	454	514	584	683	927	1038	1292	1445
W	in	16	20	22	24	24	24	39.38	39.38
	mm	400	500	560	610	610	610	1000	1000
H	in	24.3	30.7	31.5	51.2	53.9	85	100	106
	mm	617.22	779.78	800.1	1300.48	1369.06	2159	2540	2692.4
WT(RF)	kg	105	163	221	525	1313	2520	3300	4200
WT(BW)	kg	74	116	147	368	973	2100	2500	3300

CAST STEEL PRESSURE SEAL CHECK VALVE

YDF SCPS series pressure seal swing check valve are manufactured in accordance with BS1868 specification and tested to API 598, and this series valves are of API 591 certified, and API622, TA Luft Certified. To ensure casting integrity, all pressure contain casting are from YDF own foundry.



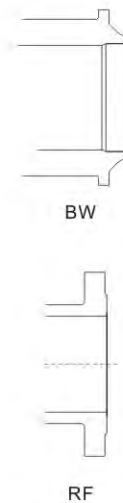
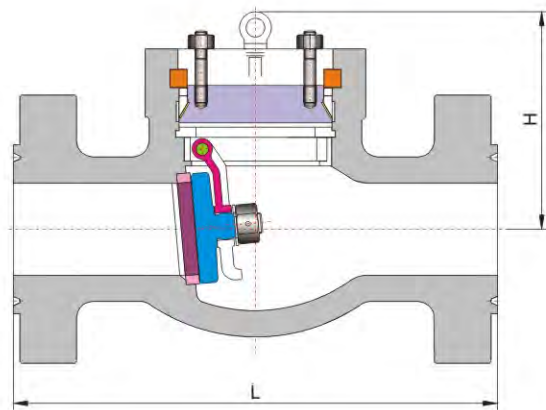
Flanged Ends / Butt Welding Ends
Pressure Seal Cover

End to end dimensions and wall thickness conform to ANSI and API specification;
Lift check valve also available, data will be supplied upon request;
Hard facing seat design;
Optional by pass design;
Optional double packing with lantern ring;
Vacuum PWHT applied for Cr-Mo pup piece welding.

Part	Standard	Low Temperature	Stainless Steel	High Temperature	Sour Service
Body	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
Seat Ring	ASTM A105N+STL.6	ASTM A350-LF2+STL.6	ASTM A182-F316	ASTM A182 F22+STL.6	ASTM A105N+STL.6
Disc	ASTM A216-WCB+Cr13	ASTM A352-LCC+Cr13	ASTM A351-CF8M	ASTM A217-WC9+Cr13	ASTM A216-WCB+Cr13
Hinge	ASTM A216-WCB	ASTM A352-LCC	ASTM A351-CF8M	ASTM A217-WC9	ASTM A216-WCB
Washer	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
Pin	ASTM A182 F6a	ASTM A276-304	ASTM A276-316	ASTM A276-304	ASTM A276-410-NC
Disc Nut	ASTM A276-410	ASTM A276-304	ASTM A276-316	ASTM A276-304	ASTM A276-410-NC
Lever Set Ring	ASTM A276-410	ASTM A182-F304	ASTM A182-F316	ASTM A182-F304	ASTM A182 F6a-NC
Hing Pin	ASTM A182 F6a	ASTM A182-F304	ASTM A182-F316	ASTM A182-F304	ASTM A182 F6a-NC
Plate	ASTM A276-410	ASTM A182-F304	ASTM A182-F316	ASTM A182-F304	ASTM A182 F6-NC
Cover	ASTM A105N	ASTM A350-LF2	ASTM A182-F316	ASTM-A182-F22	ASTM A105N
Seal Ring	SS304+graphite	SS304+graphite	SS316+graphite	SS304+graphite	SS304+graphite
Spacer Ring	ASTM A276-410	ASTM A182-F304	ASTM A182-F316	ASTM A182-F304	ASTM A276-420-NC
Bonnet Nut	ASTM A194-2H	ASTM A194-7	ASTM A194-8	ASTM A194-4	ASTM A194-2HM
Bolt	ASTM A193-B7	ASTM A320-L7	ASTM A193-B8	ASTM A193-B16	ASTM A193-B7



CAST STEEL
PRESSURE SEAL CHECK VALVE
SCPS Series
600LB 900LB



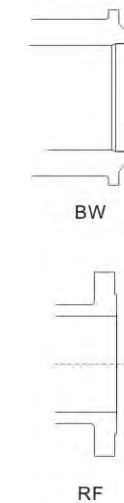
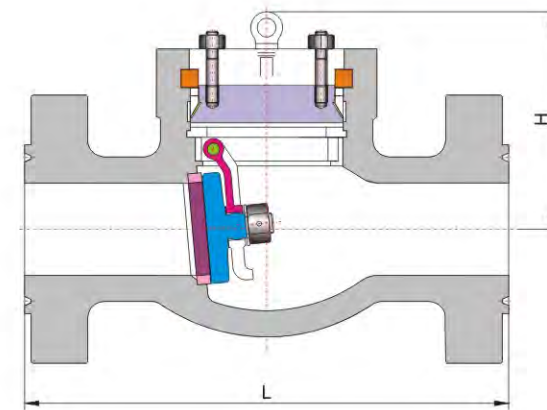
Class600

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750
L (RF-BW)	in	11.5	13.0	14.0	17.0	20.0	22.0	26.0	31.0	33.0	35.0	39.0	43.0	47.0	55.0	57.0	63.0	65.0
	mm	292.1	330.2	355.6	431.8	508.0	558.8	660.4	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	1447.8	1600.2	1651.0
L2 (RF-BW)	in	11.6	13.1	14.1	17.1	20.1	22.1	26.1	31.1	33.1	35.1	39.1	43.1	47.3	55.4	57.5	63.5	65.5
	mm	295.1	333.2	358.6	434.8	511.0	561.8	663.4	790.4	841.2	892.0	993.6	1095.5	1200.2	1406.7	1460.5	1612.9	1663.7
H	in	9.5	10.4	10.6	12.5	15.7	15.7	23.1	23.9	27.4	29.5	28.7	28.8	32.3	37.4	39.4	43.3	47.3
	mm	241.3	264.2	269.2	317.5	398.8	398.8	586.7	607.1	696.0	749.3	729.0	730.3	819.2	949.5	1000.3	1098.6	1200.2
WT(RF)	kg	27.0	35.0	45.0	85.0	135.0	190.0	350.0	500.0	670.0	880.0	1150.0	1480.0	1880.0	2600.0	3100.0	3500.0	4000.0
WT(BW)	kg	18.0	25.0	32.0	55.0	85.0	130.0	260.0	370.0	490.0	660.0	850.0	1100.0	1490.0	2040.0	2500.0	2800.0	3150.0

Class900

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L (BW)	in	8.5	10.0	12.0	14.0	20.0	26.0	31.0	36.0	39.0	43.0	48.0	52.0	61.0	63.0	67.0	71.0
	mm	215.9	254.0	304.8	355.6	508.0	660.4	787.4	914.4	990.6	1092.2	1219.2	1320.8	1549.4	1600.2	1701.8	1803.4
L1 (RF)	in	14.5	16.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5	48.0	52.0	61.0	65.0	69.0	73.0
	mm	368.3	419.1	381.0	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1219.2	1320.8	1549.4	1651.0	1752.6	1854.2
L2 (RTJ)	in	14.6	16.1	15.1	18.1	24.0	29.0	33.0	38.0	40.9	44.9	48.5	52.5	61.8	65.9	69.9	73.9
	mm	370.8	408.9	383.5	459.7	609.6	736.6	838.2	965.2	1038.9	1140.5	1231.9	1333.5	1568.5	1673.4	1775.0	1876.6
H	in	9.5	10.4	10.6	12.5	15.7	23.1	23.9	27.4	29.5	28.7	33.5	34.0	37.8	39.4	42.3	55.1
	mm	241.3	264.2	269.2	317.5	398.8	586.7	607.1	696.0	749.3	729.0	850.9	863.6	958.9	1000.3	1073.2	1400.3
WT(RF)	kg	42.0	55.0	58.0	110.0	242.0	599.0	893.0	1365.0	1628.0	1733.0	2300.0	3000.0	4100.0	4600.0	5200.0	6000.0
WT(BW)	kg	21.0	32.0	34.0	68.0	168.0	462.0	725.0	1071.0	1281.0	1418.0	1850.0	2400.0	2900.0	3600.0	4000.0	4600.0

CAST STEEL
PRESSURE SEAL CHECK VALVE
SCPS Series
1500LB 2500LB



Class1500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L (BW)	in	8.5	10	12	16	22	28	34	39	42	47	60.5	65.5	76.5
	mm	216	254	305	406	559	711	864	991	1067	1194	1537	1664	1943
L1 (RF)	in	14.5	16.5	18.5	21.5	27.80	32.8	39	44.5	49.5	54.4	60.5	65.5	76.5
	mm	368.3	419.1	469.9	546.1	706.12	833.12	990.6	1130.3	1257.3	1381.76	1536.7	1663.7	1943.1
L2 (RTJ)	in	14.62	16.62	18.62	21.62	28.00	33.13	39.38	45.12	50.25	55.38	61.4	66.4	77.6
	mm	371	422	473	549	711	842	1000	1146	1276	1407	1559	1686	1972
H	in	9.5	10.4	10.8	12.5	16.6	18.9	23.3	25.4	28	29.5	34.63	37.38	43.25
	mm	241.3	264.16	274.32	317.5	421.64	480.06	591.82	645.16	711.2	749.3	879.602	949.452	1098.55
WT(RF)	kg	42	58	105	147	360	641	1103	1628	2205	2730	3300	4200	6000
WT(BW)	kg	21	34	42	74	233	504	777	1155	1481	1680	2100	2600	3500

Class2500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L (BW)	in	11	13	14.5	18	24	30	36	41	44.0	49.0	55	61	68
	mm	279.4	330.2	368.3	457.2	609.6	762	914.4	1041.4	1117.6	1244.6	1397	1549.4	1727.2
L1 (RF)	in	17.9	20	22.75	26.5	36	40.25	50	56					
	mm	451	508	578	673	914	1022	1270	1422					
L2(RTJ)	in	17.87	20.25	23.00	26.88	36.50	40.87	50.88	56.88	60.88				
	mm	454	514	584	683	927	1038	1292	1445	1546				
H	in	9.6	10.4	10.6	12.5	17.8	22	22.7	25.8	33.88	35.38	39.38	45.25	55.13
	mm	243.84	264.16	269.24	317.5	452.12	558.8	576.58	655.32	860.552	898.652	1000.252	1149.35	1400.302
WT(RF)	kg	89	124	163	299	588	1071	1676	2772	3350				
WT(BW)	kg	53	74	89	142	286	598	783	1512	2450	3200	4050	5000	7200

GATE VALVE

Class	Item	Valve Size																					
		2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	36"	40"	42"	48"	60"
150	Stem Dia. inch (Thread Area)	3/4"	3/4"	7/8"	1"	1-1/8"	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-5/8"	1-3/4"	1-7/8"	2"	2-1/4"	2-1/2"	2-3/4"	2-3/4"	3"	3-1/4"	3-3/8"	3-3/4"	4.5"
	No of Threads per inch	6	6	6	5	5	5	5	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2
	Pitch inch	0.1667	0.16667	0.1667	0.2	0.2	0.2	0.2	0.25	0.25	0.25	0.25	0.25	0.25	0.3333	0.3333	0.3333	0.3333	0.5	0.5	0.5	0.5	0.5
	Stem Dia. mm (Packing Area)	19.1	19.1	22.3	25.4	28.6	28.6	31.8	35	38.1	41.3	44.5	47.7	50.8	57.2	63.5	69.9	69.9	76.2	82.6	85.7	95.3	114.3
	Lead inch (D.H.)			0.3333	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6667	0.6667	0.6667	0.6667	1	1	1	1	1
	Gear Type					EA-00	EA-00	EA-00	EA-00	EA-00	EA-0	EA-0	EA-0	EA-1	EA-1	EA-2	EA-2	EA-2	EA-3	EA-3	EA-3	EA-3	SZX-4A
	Inside Dia. mm Stuffing Box	32.5	32.5	35.7	38.9	45.2	45.2	48.4	51.6	57.9	61.1	64.3	67.5	73.8	83.3	89.7	96	96	105.6	111.9	118.6	134.1	152
	ISO Flange					F14	F14	F14	F14	F14	F16	F16	F16	F25	F25	F30	F30	F30	F35	F35	F35	F35	F40
	Travel mm	67	81	94	116	148	177	224	276	329	363	415	461	516	620	730	780	830	910	1040	1070	1234	1523
	No of Truns	16	19	22	23	29	35	44	43	52	57	65	73	81	73	86	92	98	72	82	84	97	120
300	Torque N.M	15.5	17.3	21.6	38	50.1	60.5	93.6	145.2	209.7	258	355.4	471.4	630	1016.4	1517	1889.3	2040.2	2931	4029.9	4328.5	6220.7	11152.7
	Thrust KN	6.2	6.9	7.7	11.5	13.9	16.8	24	33	44.6	51.6	65.8	82.7	105	147.3	199.6	203.4	248.8	311.8	399	416.2	550.5	844.9
	Stem Dia. inch (Thread Area)	3/4"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-5/8"	1-3/4"	1-7/8"	2"	2-1/8"	2-1/2"	2-3/4"	3-1/4"		3-1/4"				
	No of Threads per inch	6	6	6	5	5	5	4	4	4	4	4	4	3	3	3	2		2				
	Pitch inch	0.1667	0.16667	0.1667	0.2	0.2	0.2	0.25	0.25	0.25	0.25	0.25	0.25	0.3333	0.3333	0.3333	0.5		0.5				
	Stem Dia. mm (Packing Area)	19.1	19.1	22.3	25.4	28.6	31.8	35	38.1	41.3	44.5	47.7	50.8	54	63.5	69.9	82.6		82.6				
	Lead inch (D.H.)			0.3333	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6667	0.6667	0.6667	1		1				
	Gear Type					EA-00	EA-00	EA-00	EA-00	EA-00	EA-0	EA-0	EA-1	EA-1	EA-2	EA-3	EA-3		EA-3				
	Inside Dia. mm Stuffing Box	32.5	32.5	35.7	38.9	45.2	48.4	51.6	57.9	61.1	64.3	67.5	73.8	77	89.7	96	111.9		111.9				
	ISO Flange					F14	F14	F14	F14	F14	F16	F16	F25	F25	F30	F35	F35		F35				
600	Travel mm	70	80	95	118	143	170	220	276	320	350	415	458	507	610	735	770		945				
	No of Truns	17	19	22	23	28	33	35	43	50	55	65	72	60	72	87	61		74				
	Torque N.M	21	25.8	33.9	62.7	90.4	127.6	226.6	342.7	513.5	678.3	929.1	1231.8	1728.6	2738.3	4099.2	5720.7		8012.4				
	Thrust KN	8.4	10.3	12.1	19	25.1	32.7	51.5	72.9	102.7	125.6	163	205.3	261.9	360.3	499.9	566.4		793.3				
	Stem Dia. inch (Thread Area)	3/4"	7/8"	1"	1-1/8"	N.A.	1-1/2"	1-5/8"	1-7/8"	2"	2-1/4"	2-3/8"	2-1/2"	2-3/4"	3"								
	No of Threads per inch	6	6	5	5		4	4	4	4	3	3	3	3	2								
	Pitch inch	0.1667	0.16667	0.2	0.2		0.25	0.25	0.25	0.25	0.3333	0.3333	0.3333	0.3333	0.5								
	Stem Dia. mm (Packing Area)	19.1	22.3	25.4	28.6		38.1	41.3	47.7	50.8	57.2	60.3	63.5	69.9	76.2								
	Lead inch (D.H.)			0.4	0.4		0.5	0.5	0.5	0.5	0.6667	0.6667	0.6667	0.6667	1								
	Gear Type						EA-0	EA-0	EA-0	EA-1	EA-2	EA-2	EA-2	EA-2	EA-3								
	Inside Dia. mm Stuffing Box	32.5	35.7	38.9	45.2		57.9	61.1	67.5	73.8	83.3	86.5	89.7	96	105.6								
	ISO Flange						F16	F16	F16	F25	F30	F30	F30	F30	F35								
	Travel mm	71	80	98	111		174	227	274	332	363	410	440	505	595								
	No of Truns	17	19	19	22		27	36	43	52	43	48	52	60	47								
900	Torque N.M	34.5	55.2	85.2	128.6		319.2	542.5	903.5	1320.6	1809.9	2451.6	3107.7	4105	6557.5								
	Thrust KN	13.8	19.7	25.8	35.7		67.9	108.5	158.5	220.1	262.3	340.5	408.9	500.6	697.6								
	Stem Dia. inch (Thread Area)	1"		1-1/8"	1-1/4"	N.A.	1-5/8"	1-7/8"	2-1/8"	2-1/4"	2-3/8"	2-1/2"	2-3/4"	3"	4"								
	No of Threads per inch	5		5	5		4	4	3	3	3	3	3	2	2								
	Pitch inch	0.2		0.2	0.2		0.25	0.25	0.3333	0.3333	0.3333	0.3333	0.3333	0.5	0.5								
	Stem Dia. mm (Packing Area)	25.4		28.6	31.8		41.3	47.7	54	57.2	60.3	63.5	69.9	76.2	102.5								
	Lead inch (D.H.)			0.4	0.4		0.5	0.5	0.6667	0.6667	0.6667	0.6667	0.6667	1	1								
	Gear Type							EA-1	EA-1	EA-2	EA-2	EA-2	EA-2	EA-3	EA-3								
	Inside Dia. mm Stuffing Box	38.9		45.2	48.4		61.1	67.5	77	83.3	86.5	89.7	96	111.9	105.6								
	ISO Flange							F25	F25	F30	F30	F30	F30	F35	F35								
	Travel mm	68		97	116		164	217	265	300	335	383	434	485	568								
	No of Truns	13		19	23		26	34	31	35	40	45	51	38	45								
1500	Torque N.M	74		122.8	198.6		493.5	853.9	1516.1	2069.4	2640.3	3415.5	4608.4	7093.3	12198								
	Thrust KN	22.4		34.1	50.9		98.7	149.8	229.7	299.9	366.7	449.4	562	702.3	1008.1								
	Stem Dia. inch (Thread Area)	1"		1-1/4"	1-3/8"	N.A.	1-3/4"	2-1/8"	2-1/2"	2-3/4"													
	No of Threads per inch	5		5	4		4	3	3	3													
	Pitch inch	0.2		0.2	0.25		0.25	0.3333	0.3333	0.3333													
	Stem Dia. mm (Packing Area)	25.4		31.8	34.9		44.5	54	63.5	69.9													
	Lead inch (D.H.)			0.4	0.5		0.5	0.6667	0.6667	0.6667													
	Gear Type				EA-00		EA-0	EA-1	EA-2	EA-2													
	Inside Dia. mm Stuffing Box	38.9		48.4	51.6		64.3	77	89.7	96													
	ISO Flange				F14		F16	F25	F30	F30													
	Travel mm	68		90	114		152	200	250	288													
	No of Truns	13		18	18		24	24	30	34													
	Torque N.M	108.3		218.8	341		789.5	1578.8	2679	3890.9													
	Thrust KN	32.8		56.1	77.5		146.2	239.2	352.5	474.5													

GLOBE VALVE

Class	Item	Valve Size										
		2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"
150	Stem Dia. inch (Thread Area)	7/8"	7/8"	1"	1-1/8"	1-1/4"	1-1/4"	1-1/2"	1-5/8"	2-1/8"	2-3/8"	2-1/2"
	No of Threads per inch	5	5	5	5	5	5	4	4	3	3	3
	Pitch inch	0.2	0.2	0.2	0.2	0.2	0.2	0.25	0.25	0.333	0.333	0.333
	Stem Dia. mm (Packing Area)	22.3	22.3	25.4	28.6	31.8	31.8	38.1	41.3	54	60.3	63.5
	Lead inch (D.H.)	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.667	0.667	0.666
	Gear Type				EA-00	EA-00	EA-00	EA-0	EA-0	EA-1	EA-2	EA-2-2A
	Inside Dia. mm Stuffing Box	35.7	35.7	38.9	45.2	48.4	48.4	57.9	61.1	77	86.5	89.7
	ISO Flange				F14	F14	F14	F16	F16	F25	F30	F30
	Travel mm	27	29	33	33	52	43	68	66	90	120	121
	No of Turns	5	6	6	6	10	8	11	10	11	14	14
	Torque N.M	28.5	37.7	57.1	91.1	138.1	177.9	358.7	497	1029	1257.9	1906.1
	Thrust KN	9.8	13	17.3	25.3	35.4	45.6	76.3	99.4	155.9	174.7	250.8
300	Stem Dia. inch (Thread Area)	7/8"	7/8"	1"	1-1/4"	1-1/4"	1-1/2"	1-7/8"	2-1/8"	2-3/8"	2-1/2"	2-3/4"
	No of Threads per inch	5	5	5	5	5	4	4	3	3	3	3
	Pitch inch	0.2	0.2	0.2	0.2	0.2	0.25	0.25	0.333	0.333	0.333	0.333
	Stem Dia. mm (Packing Area)	22.3	22.3	25.4	31.8	31.8	38.1	47.7	54	60.3	63.5	69.9
	Lead inch (D.H.)	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.667	0.667	0.667	0.667
	Gear Type				EA-00	EA-00	EA-0	EA-1	EA-2	EA-2	EA-3	EA-3
	Inside Dia. mm Stuffing Box	35.7	35.7	38.9	48.4	48.4	57.9	67.5	77	86.5	89.7	96
	ISO Flange				F14	F14	F16	F25	F30	F30	F35	F35
	Travel mm	28	44	30	50	46	46	58	83	123	112	124
	No of Turns	6	9	6	10	9	7	9	10	15	13	15
	Torque N.M	50.8	69.6	112.9	214.2	317.1	507.2	989	1664.6	2952	3325.8	4995.5
	Thrust KN	17.5	24	34.2	54.9	81.3	107.9	173.5	252.2	410	437.6	609.2
600	Stem Dia. inch (Thread Area)	7/8"	1-1/8"	1-1/8"	1-3/4"		2-1/8"	2-3/8"	2-3/8"	2-3/4"	3 "	
	No of Threads per inch	5	5	5	4		3	3	3	3	2	
	Pitch inch	0.2	0.2	0.2	0.25		0.333	0.333	0.333	0.333	0.5	
	Stem Dia. mm (Packing Area)	22.3	28.6	28.6	44.5		54	60.3	60.3	69.9	76.2	
	Lead inch (D.H.)	0.4	0.4	0.4	0.5		0.667	0.667	0.667	0.667	1	
	Gear Type		EA-00	EA-00	EA-0		EA-1	EA-2-2A	EA-2-2A	EA-3	EA-3	
	Inside Dia. mm Stuffing Box	35.7	45.2	45.2	64.3	NA	77	86.5	86.5	96	105.6	
	ISO Flange		F14	F14	F16		F25	F30	F30	F35	F35	
	Travel mm	53	46	42	77		82	63	76	130	115	
	No of Turns	10	9	8	12		10	7	9	15	9	
	Torque N.M	101.8	200.9	257.8	681.5		1580.1	3119.1	3878.7	5714.6	8465.7	
	Thrust KN	35.1	55.8	71.6	126.2		239.4	433.2	538.7	696.9	900.6	
900	Stem Dia. inch (Thread Area)	1-1/4"	1-1/4"	1-3/4"	1-5/8"		2-1/4"	2-1/2"	2-3/4"	3-1/4"		
	No of Threads per inch	5	5	4	4		3	3	3	2		
	Pitch inch	0.2	0.2	0.25	0.25		0.333	0.333	0.333	0.5		
	Stem Dia. mm (Packing Area)	31.8	31.8	44.5	41.3		57.2	63.5	69.9	82.6		
	Lead inch (D.H.)	0.4	0.4	0.5	0.5		0.667	0.667	0.667	1		
	Gear Type				EA-0		EA-2	EA-2-2A	EA-2-2A	EA-3		
	Inside Dia. mm Stuffing Box	48.4	48.4	64.3	61.1	NA	83.3	89.7	96	111.9		
	ISO Flange				F16		F30	F30	F30	F35		
	Travel mm	20	27	27	49		54	82	94	96		
	No of Turns	4	5	4	8		6	10	11	8		
	Torque N.M	209.5	232.9	598.4	787.5		2470.2	4407.3	6011.5	10741.4		
	Thrust KN	53.7	59.7	110.8	157.5		358	579.9	733.1	1063.5		
1500	Stem Dia. inch (Thread Area)	1-1/4"	1-1/4"	1-3/4"	2-1/8"		2-3/8"	2-3/4"				
	No of Threads per inch	5	5	4	3		3	3				
	Pitch inch	0.2	0.2	0.25	0.333		0.333	0.333				
	Stem Dia. mm (Packing Area)	31.8	31.8	44.5	54		60.3	69.9				
	Lead inch (D.H.)	0.4	0.4	0.5	0.667		0.667	0.667				
	Gear Type				EA-1		EA-2-2A	EA-3				
	Inside Dia. mm Stuffing Box	48.4	48.4	64.3	77	NA	86.5	96				
	ISO Flange				F25		F30	F35				
	Travel mm	18	27	74	44		52	78				
	No of Turns	4	5	12	5		6	9				
	Torque N.M	331.2	370.2	914.8	1654		3335.1	6287.8				
	Thrust KN	84.9	94.9	169.4	250.6		463.2	766.8				

Note:

- 1.S.H.=Single Head Suitable for Electrical Actuator operated.
2.D.H.=Double Head Suitable for manual operated.
3.Number of Turns based on S.H.

- 4.Torque or thrust based on normal pressure and temperature.
5.Torque or thrust based on S.H.
6.The Safety factor 1.25 ~1.5 is recommended for actuator sizing.



Your Partner of Flow Control System

Product Warranty

Seller will replace without charge or refund the purchase price of products provided by seller which prove to be defective in mater or workmanship, provided in each case that the product is proper installed and is used in the service for which Seller recommends it and that written claim, specifying the alleged defect, is presented to the seller within 18 months from the date of shipment or 12 months after installation, whichever occurs first. Seller shall in no event bear any labor, equipment, engineering or other costs incurred in connection with repair or replacement.

The warranty stated in this paragraph is in lieu of all other warranties, either expressed or implied. With respect to warranties, this paragraph states Buyer's exclusive remedy and seller's exclusive liability.

We confirm spare kit availability during warranty period and periods following the warranty duration.