

ANSI CAST STEEL GLOBE VALVE

Technical Parameter

Nominal Size: 2"~24"(DN50~DN600)

Pressure rating: ASME150LB to 2500LB

Body Material: WCB, CF8, CF8M, CF3, CF3M, 2205 Titanium, Monel, Hastelloy etc.

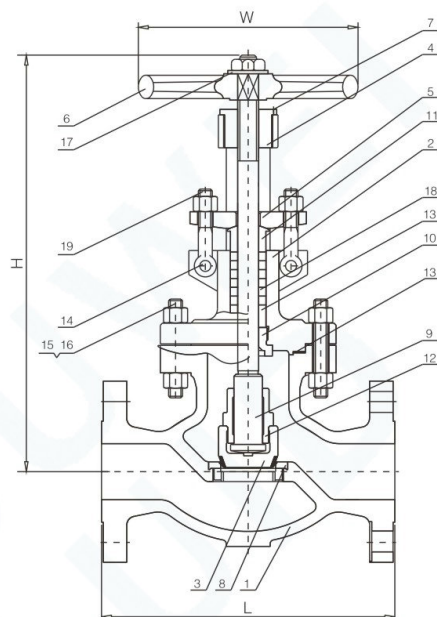
Design Standard: BS1873,ASME B16.34

Face To Face: ASME B16.10

End connection: ASME B16.5,ASME B16.47,ASME B16.25

Inspection and Test: API598

Special: NACE MR-01-75

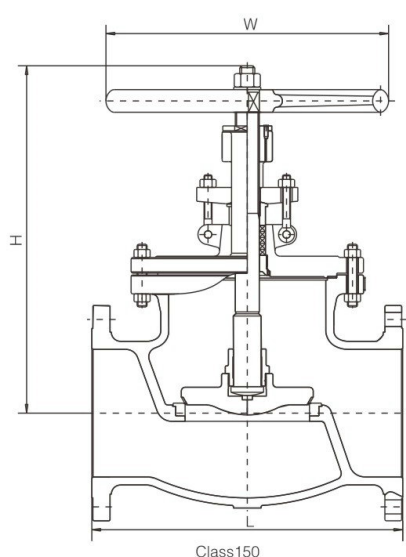


Material List

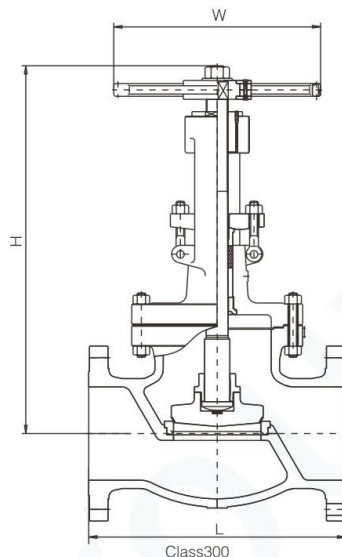
No.	Parts	Standard material	Stainless steel material	Low temperature environment	High temperature environment	Acidic environment
1	Body	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
2	Bonnet	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
3	Clack	ASTM A182 F6a ASTM A105N+Cr13	ASTM A182 F316+STL.6	ASTM A350 LF2+STL.6	ASTM A182 F22+STL.6	ASTM A182 F6a(NACE)
4	Stem nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
5	Clamp plate	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCB	ASTM A217 WC9	ASTM A216 WCB
6	Hand wheel	Ductile iron	Ductile iron	Ductile iron	Ductile iron	Ductile iron
7	Bolt	ASTM A193 B7	ASTM A193 B8	ASTM A320 L7	ASTM A193 B16	ASTM A193 B7M
8	Seat ring	ASTM A105N+STL.6	ASTM A182 F316+STL.6	ASTM A350 LF2+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(NACE)
10	Upper seal seat	ASTM A276 410	ASTM A276 316	ASTM A276 316	ASTM A276 410	ASTM A276 410(NACE)
11	Gland	ASTM A276 410	ASTM A276 316	ASTM A276 316	ASTM A276 410	ASTM A276 410(NACE)
12	Disc nut	ASTM A276 410	ASTM A276 316	ASTM A276 316	ASTM A276 410	ASTM A276 410(NACE)
13	Cover gasket	Graphite wrap pad/ RTJ ring	Graphite wrap pad/ RTJ ring	Graphite wrap pad/ RTJ ring	Graphite wrap pad/ RTJ ring	Graphite wrap pad/ RTJ ring
14	Articulated bolt pin	Carbon steel	Stainless steel	Stainless steel	Stainless steel	Carbon steel
15	Bolt	ASTM A193 B7	ASTM A193 B8	ASTM A320 L7	ASTM A193 B16	ASTM A193 B7M
16	Nut	ASTM A194 2H	ASTM A194 8	ASTM A194 7	ASTM A194 4	ASTM A194 2HM
17	Hand wheel nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
18	Packing	Graphite	Graphite	Graphite	Graphite	Graphite
19	Nut	ASTM A194 2H	ASTM A194 8	ASTM A194 7	ASTM A194 4	ASTM A194 2HM



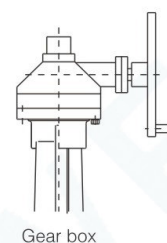
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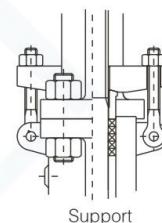
Class150



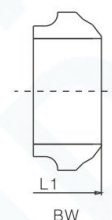
Class300



Gear box



Support



L1

BW

Main Dimensions

Class150LB

Size	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	32
	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	27.8	30.3	32.5	44.9	49.7	60
	mm	322	382	376	433	466	501	553	645	707	770	825	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

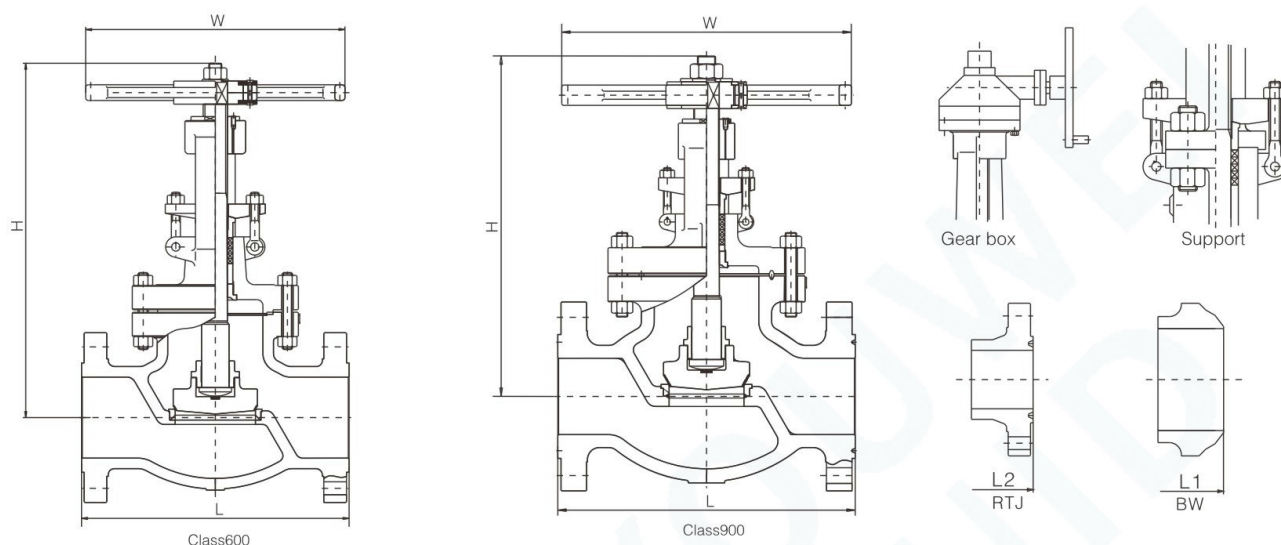
Main Dimensions

Class300LB

Size	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	24	32
	mm	200	250	250	350	450	450	450	560	640	720	*610	*610	*810
H	in	13.8	15.9	16.0	18.6	22.0	22.6	31.5	32.4	35.1	36.0	55.2	57.5	64.3
	mm	350	404	406	473	560	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

* Gearbox drive

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Main Dimensions

Size	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	32	32
	mm	250	350	350	450	500	500	640	720	720	*610	*810	*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

Class600LB

Main Dimensions

Size	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	32	32	32
	mm	350	350	350	450	560	720	720	*810	*810	*810
H	in	18.3	26.0	26.5	26.6	31.8	33.3	35.9	54	76.1	87
	mm	464	660	673	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

Class900LB

* Gearbox drive