

Standard Globe Valves

Carbon & Stainless Steel

Sizes 2" - 18"

Class 150 - 2500



Design and Manufacturing Standards

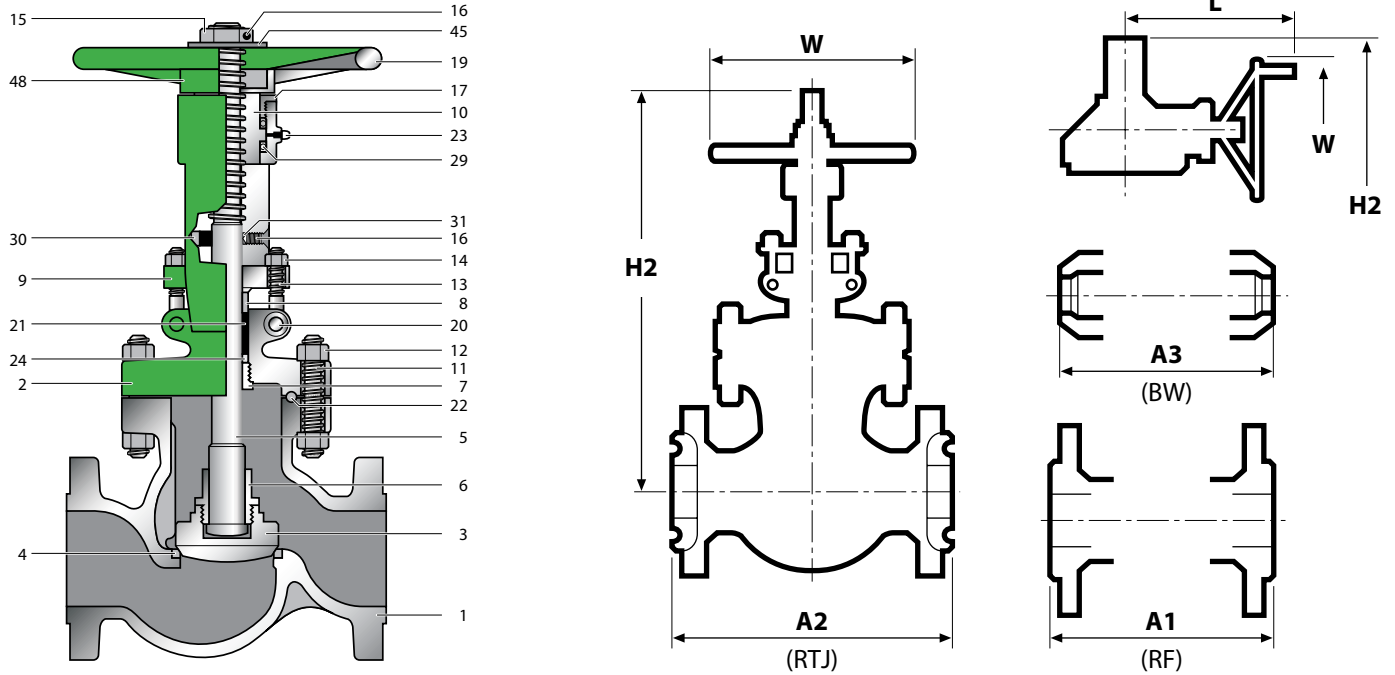
Basic Design	API 600 & ANSI B 16.34
Shell Wall Thickness	API 600
Face to Face Dimension	ANSI B16.10
Flange End Dimension	ANSI B16.5
Butt-Weld End Dimension	ANSI B16.25
Inspection & Testing	API 598



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Class 150 - 2500

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BILL OF MATERIAL

NO	NAME OF PART	ASTM SPECIFICATION							
		CARBON STEEL	HIGH TEMPERATURE SERVICE			LOW TEMPERATURE SERVICE	STAINLESS STEEL		
1	BODY	A216-WCB	A217-WC6	A217-WC9	A217-C5	A352-LCB/LC2/LC3	CF8M	CF8C	
2	BONNET	A216-WCB	A217-WC6	A217-WC9	A217-C5	A352-LCB/LC2/LC3	CF8M	CF8C	
3	DISC	A217-CA15	A217-WC6	A217-WC9	A217-C5	A352-LCB/LC2/LC3	CF8M	CF8C	
4	BODY SEAT RING	A105 + HARD FACE	A182-F11	A182-F22	A182-F5a	A182-F304	F316	F347	
5	STEM	A182-F60	A182-F6a	A182-F60	A182-F6Q	A182-F304	F316	F347	
6	DISC GLAND	A217-CA15	A217-CA15	A217-CA15	A217-CA15	A182-F304	F316	F347	
7	BONNET BUSH	A276-410	A276-410	A276-410	A276-410	A276-304	F316	F347	
8	PACKING GLAND	A276-410	A276-410	A276-410	A276-410	A276-304	F316	F347	
9	GLAND FLANGE	A105	A105	A105	A105	A360-LF2	CF8M	CF8C	
10	YOKE SLEEVE	A439-D2C	A439-D2C	A439-D2C	A439-D2C	B147-B8	F316	F347	
11	BONNET BOLT	A193-B7	A193-B16	A193-B16	A193-B16	A320-L7	A193-B8	A193-B8	
12	BONNET NUT	A194-2H	A194-4	A194-4	A194-4	A194-4	A194-8	A194-8	
13	GLAND BOLT	A193-B7	A193-B7	A193-B7	A193-B7	A320-L7	A193-B8	A193-B8	
15	HANDLE NUT	STEEL							
16	SET SCREW	STEEL							
17	SLEEVE GLAND	STEEL							
19	HANDWHEEL	A395							
14	GLAND NUT	A194-2H	A194-2H	A194-2H	A194-2H	A194-4	A194-8	A194-8	
20	HINGE PIN	A276-410	A276-410	A276-410	A276-410	A276-304	F316	F347	
21	PACKING	COMMERCIAL							
22	GASKET	COMMERCIAL							
23	GREASE NIPPLE	STEEL						BRONZE	BRONZE
24	LANTERN	A276-410	A276-410	A276-410	A276-410	A276-304	F316	F347	
29	BEARING	COMMERCIAL							
30	STOPPER	A283-D							
31	KEY	STEEL							
45	WASHER	STEEL							
48	IMPACT	A216-WCB	A217-WC6	A217-WC9	A217-C5	A352-LCB/LC2/LC3	CF8M	CF8C	

CLASS 150 - CARBON & STAINLESS STEEL GLOBE VALVES

DIMENSIONS & WEIGHTS

VALVE SIZE	in	2	2.5	3	4	6	8	10	12	14	16	18
	mm	51	64	76	102	152	203	254	305	356	406	457
A1 (RF)	in	8.0	8.5	9.5	11.5	16.0	19.5	24.5	27.5	31.0	36.0	38.5
	mm	203	216	241	292	406	495	622	698	787	914	978
A2 (RTJ)	in											
	mm											
A3 (BW)	in	8.0	8.5	9.5	11.5	16.0	19.5	24.5	27.5	31.0	36.0	38.5
	mm	203	216	241	292	406	495	622	698	787	914	978
H2	in	15.3	14.8	17.0	19.5	22.6	28.0	31.4	39.1	54.6	53.4	78.0
	mm	388	376	433	495	574	710	797	W2	1387	1356	1980
W	in	7.9	8.8	8.8	9.8	14.0	14.0	17.7	17.7	22.0	22.0	24.0
	mm	200	224	224	250	355	355	450	450	560	560	610
L	in	-	-	-	-	-	-	-	-	16.3	16.3	17.0
	mm	-	-	-	-	-	-	-	-	414	414	432
WGT (RF)	lb	44.1	77.2	88.2	123.5	229.3	401.3	650.5	904	1510	1985	3969.0
	kg	20	35	40	56	104	182	295	410	685	903	1800
WGT (BW)	lb	33.1	66.2	70.6	90.4	183.0	330.8	496.1	728	1312	1764	3638.3
	kg	15	30	32	41	83	150	225	330	595	800	1650

CLASS 300 - CARBON & STAINLESS STEEL GLOBE VALVES

DIMENSIONS & WEIGHTS

VALVE SIZE	in	2	2.5	3	4	6	8	10	12	14	16
	mm	51	64	76	102	152	203	254	305	356	406
A1 (RF)	in	10.5	11.5	12.5	14.0	17.5	22.0	24.5	28.0	30.0	34.0
	mm	267	292	318	356	445	559	622	711	762	864
A2 (RTJ)	in	11.12	12.12	13.12	14.62	18.12	22.62	25.12	28.62	39.62	42.62
	mm	283	308	333	371	460	575	638	727	1006	1083
A3 (BW)	in	10.5	11.5	12.5	14.0	17.5	22.0	24.5	28.0	30.0	34.0
	mm	267	292	318	356	444	559	622	711	762	864
H2	in	15.6	16.3	18.2	21.7	29.2	31.5	44.6	46.1	56.5	70.7
	mm	396	415	462	550	741	800	1132	1172	1435	1797
W	in	7.9	8.8	9.8	14.0	17.7	22.0	22.0	28.0	28.0	31.5
	mm	200	224	250	355	450	560	560	710	710	800
L	in	-	-	-	-	-	-	16.3	18.4	18.4	20.7
	mm	-	-	-	-	-	-	414	468	468	526
WGT (RF)	lb	70.6	92.6	141.0	220.5	419.0	595.4	1168.7	2240	2546.8	3748.5
	Kg	32	42	64	100	190	270	530	1016	1155	1700
WGT (BW)	lb	66.2	66.2	105.8	194.0	328.5	441	970.2	1997.7	2216	3309.7
	Kg	30	30	48	88	149	200	440	906	1005	1501

CLASS 600 - CARBON & STAINLESS STEEL GLOBE VALVES

DIMENSIONS & WEIGHTS

VALVE SIZE	in	2	2.5	3	4	6	8	10	12	14	16
	mrn	51	64	76	102	152	203	254	305	356	406
A1 (RF)	in	11.5	13.0	14.0	17.0	22.0	26.0	31.0	33.0	35.0	39.0
	mm	292	330	356	432	559	660	787	838	889	991
A2 (RTJ)	in	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12
	mm	295	333	359	435	562	664	790	841	892	994
A3 (BW)	in	11.5	13.0	14.0	17.0	22.0	26.0	31.0	33.0	35.0	39.0
	mm	292	330	356	432	559	660	787	838	889	991
H2	in	16.0	19.8	19.9	22.4	29.9	51.8	59.5	69.9	70.9	76.0
	mm	407	502	505	568	759	1315	1511	1775	1800	1930
W	in	8.8	9.8	11.0	14.0	17.7	28.0	31.5	35.4	35.4	35.4
	mm	224	250	280	355	450	710	800	900	900	900
L	in	-	-	-	-	-	18.4	20.7	26.4	26.4	26.4
	mm	-	-	-	-	-	468	626	670	670	670
WGT (RF)	lb	94.8	154.4	172.0	300.0	619.6	1301	2099	3528	5953.5	7938.0
	kg	43	70	78	136	281	590	952	1600	2700	3600
WGT (BW)	lb	72.8	121.3	132.3	216.1	454.2	1125	1746	3263.4	5534.6	7386.8
	kg	33	55	60	98	206	510	792	1480	2510	3350

CLASS 900 - CARBON & STAINLESS STEEL GLOBE VALVES

DIMENSIONS & WEIGHTS

VALVE SIZE	in	2	2.5	3	4	6	8	10	12	14	16
	mrn	51	64	76	102	152	203	254	305	356	406
A1 (RF)	in	14.5	16.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5
	mm	368	419	381	457	610	737	838	965	1029	1130
A2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88
	mm	371	422	384	460	613	740	841	968	1038	1140
A3 (BW)	in	14.5	16.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5
	mm	368	419	381	457	610	737	838	965	1029	1130
H2	in	27.4	27.3	30.5	33.7	50.7	65.6	63.0	67.1	87.0	103.1
	mm	695	695	775	855	1288	1665	1600	1705	2210	2620
W	in	15.7	15.7	15.7	15.7	22.0	31.5	31.5	35.4	35.4	35.4
	mm	400	400	400	400	560	800	800	900	900	900
L	in	-	-	-	-	16.3	20.7	20.7	26.4	26.4	26.4
	mm	-	-	-	-	414	526	526	670	670	670
WGT (RF)	lb	271.2	341.8	231.5	441	1101.5	2756.3	4520.3	5843.3	8048.3	9481.5
	kg	123	155	105	200	500	1250	2050	2650	3650	4300
WGT (BW)	lb	205.1	264.6	196.2	335.2	903.2	2425.5	4123.4	5292.0	7386.8	8600.0
	kg	93	120	89	152	410	1100	1870	2400	3350	3900

CLASS 1500 - CARBON & STAINLESS STEEL GLOBE VALVES

DIMENSIONS & WEIGHTS

VALVE SIZE	in	2	2.5	3	4	6	8	10	12	14	16
	mm	51	64	76	102	152	203	254	305	356	406
A1 (RF)	in	14.5	16.5	18.5	21.5	27.75	32.75	39.0	44.5	49.5	54.5
	mm	368	419	470	546	705	832	991	1130	1257	1384
A2 (RTJ)	in	14.62	16.62	18.62	21.62	28.0	33.13	39.38	45.12	50.25	55.38
	mm	371	422	473	549	711	841	1000	1046	1276	1407
A3 (BW)	in	14.5	16.5	18.5	21.5	27.75	32.75	39.0	44.5	49.5	54.5
	mm	368	419	470	546	705	832	991	1130	1257	1384
H2	in	27.4	27.3	31.5	40.0	53.0	77.2	91.0	105.1	126.0	160.0
	mm	695	695	799	1015	1345	1960	2310	2670	3200	4064
W	in	15.7	15.7	19.7	19.7	28.0	28.0	30.0	30.0	30.0	30.0
	mm	400	400	500	500	710	710	760	760	760	760
L	in	-	-	-	-	18.4	18.4	20.2	20.2	22.3	22.3
	mm	-	-	-	-	468	468	512	512	567	567
WGT (RF)	lb	271.2	341.8	396.9	749.7	1482	4630.5	7056.0	9702.0	11907.0	14773.5
	kg	123	155	180	340	672	2100	3200	4400	5400	6700
WGT (BW)	lb	205.1	264.6	297.7	621.8	1217.1	4190.0	6174.0	8379.0	10363.5	12789.0
	kg	93	120	135	282	552	1900	2800	3800	4700	5800

CLASS 2500 - CARBON & STAINLESS STEEL GLOBE VALVES

DIMENSIONS & WEIGHTS

VALVE SIZE	in	2	2.5	3	4	6	8	10	12
	mm	51	64	76	102	152	203	254	305
A1 (RF)	in	17.75	20.0	22.75	26.5	36.0	40.25	50.0	56.0
	mm	451	508	578	673	914	1022	1270	1422
A2 (RTJ)	in	17.87	20.25	23.0	26.88	36.5	40.87	50.88	56.88
	mm	454	514	584	683	927	1038	1292	1445
A3 (BW)	in	17.75	20.0	22.75	26.5	36.0	40.25	50.0	56.0
	mm	451	508	578	673	914	1022	1270	1422
H2	in	28.3	31.5	34.8	50.0	75.0	97.0	110.2	138.0
	mm	720	800	885	1260	1905	2465	2800	3505
W	in	15.7	19.7	19.7	24.0	24.0	30.0	30.0	30.0
	mm	400	500	500	610	610	760	760	760
L	in	-	-	-	20.2	17.0	22.3	22.3	22.3
	mm	-	-	-	512	432	567	567	567
WGT (RF)	lb	419.0	661.5	771.8	1852.2	5071.5	10584.0	14994.0	18742.5
	kg	190	300	350	840	2300	4800	6800	8500
WGT (BW)	lb	352.8	529.2	617.4	1521.5	4410.0	9702.0	13230.0	16537.5
	kg	160	240	280	690	2000	4400	6000	7500