

GLOBE VALVE API 6D

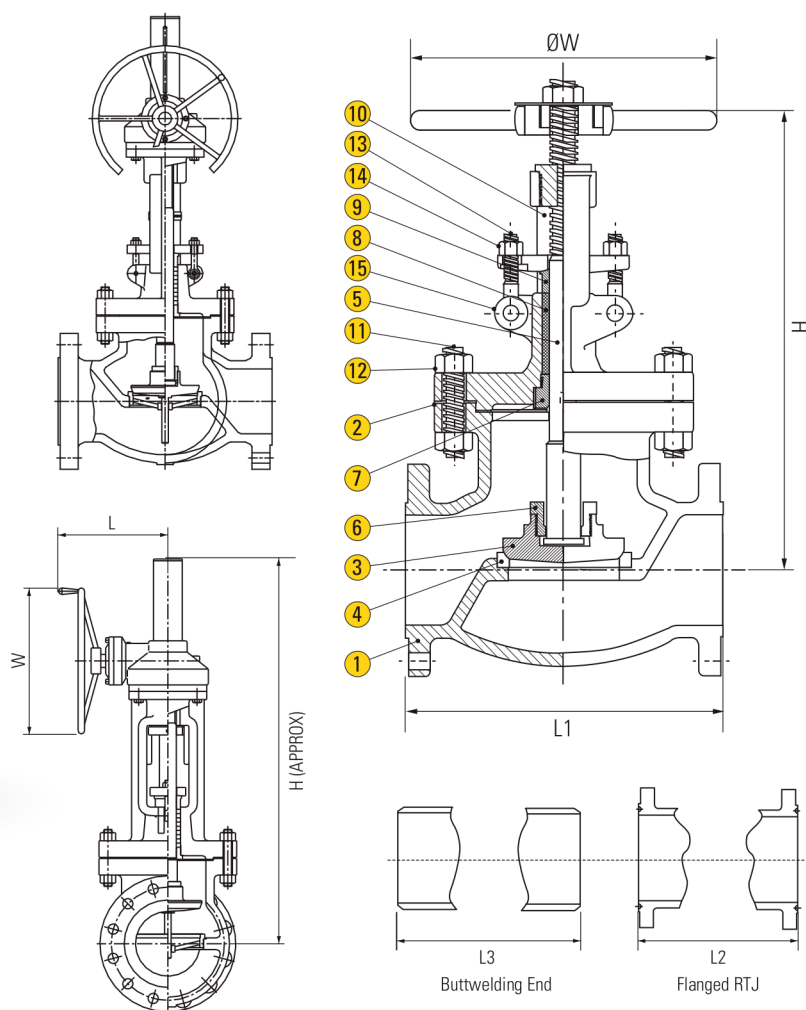
CARBON STEEL / STAINLESS STEEL



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FIG GB-6D



SPECIFICATION

Designed and Manufactured
Face To Face Dimension
Pressure Rating
Flange End Dimension

API 6D
ASME 16.10
Class 150, 300, 600, 900, 1500 and 2500
ASME B16.5

BW End Dimension
Test and Inspection
Pressure - Temperature Rating

ASME B16.25
API 598
ASME B16.34

MATERIAL

Parts	ASTM Specification						
	Standard	High Temperature Service				Low Temperature Service	Corrosion Service
1 Body	A216-WCB	A217-WC1	A217-WC6	A217-WC9	A217-C5	A352-LCB	A351-CF8M
2 Bonnet	A216-WCB	A217-WC1	A217-WC6	A217-WC9	A217-C5	A352-LCB	A351-CF8M
3 Disc	A217-CA15	A217-WC1	A217-WC6	A217-WC9	A217-C5	A352-LCB	A351-CF8M
4 Body Seat Ring	A105+HARD FACE	A105+HARD FACE	A105+HARD FACE	A105+HARD FACE	A105+HARD FACE	A182-F304	A182-F316
5 Stem	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-316
6 Disc Gland	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-316
7 Bonnet Bush	A276-410	A276-410	A276-410	A276-410	A276-410	A276-F304	A276-F316
8 Packing Gland	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-316
9 Gland Flange	A105	A105	A105	A105	A105	A105	A351-CF8/A240-304
10 Yoke Bush	A439-D2	A439-D2	A439-D2	A439-D2	A439-D2	A439-D2	A439-D2
11 Bonnet Bolt	A193-B7	A193-B7	A193-B7	A193-B16	A193-B16	A320-L7	A193-B8
12 Bonnet Nut	A194-2H	A194-2H	A194-2H	A194-4	A194-4	A194-4	A194-8
13 Gland Bolt	A307.B	A307.B	A307.B	A307.B	A307.B	A307.B	A193-B8
14 Gland Nut	A307.B	A307.B	A307.B	A307.B	A307.B	A307.B	A194-8
15 Hinge Pin	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-304

*Note : In case of 12" and larger size, We'll use trim material overlayed one on the same or equivalent material of the body.

*Specification given are subject to changed without further notice.

CLASS 150 *(N/A for L2)

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L1 & L3	inch	8.0	8.5	9.5	11.5	14.0	16.0	19.5	24.5	27.5	31.0	36.0	38.5	38.5	51.0
	mm	203	216	241	292	356	406	495	622	699	787	914	978	978	1295
H	inch	10.8	11.4	12.5	13.7	15.6	17.3	22.0	26.4	29.1	54.7	62.6	71.7	80.7	90.6
	mm	275	290	320	350	400	440	560	670	740	1390	1590	1820	2050	2300
W	inch	7.7	7.7	8.5	9.4	11.0	11.8	14.0	15.7	17.7	22.0	22.0	24.0	27.6	27.6
	mm	195	195	215	240	280	300	355	400	450	560	560	610	700	700
L	inch	-	-	-	-	-	-	-	-	-	16.3	16.3	17.0	17.0	17.0
	mm	-	-	-	-	-	-	-	-	-	414	414	432	432	432
Weight	LB	46.3	59	72.8	116.9	163.2	209.5	410.1	524.8	804.8	1364.9	1808.1	2154.3	2712.2	3472.9
	Kg	21	27	33	53	74	95	186	238	365	619	820	977	1230	1575

CLASS 300

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	32
	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	800
L1 & L3	inch	10.5	11.5	12.5	14.0	15.75	17.5	22.0	24.5	28.0	33.0	34	38.5	40	53	62.75
	mm	267	292	318	356	400	445	559	622	711	838	864	978	1016	1346	1594
L2	inch	11.12	12.12	13.12	14.62	16.38	18.12	22.62	25.12	28.62	33.6	34.6	39.12	40.75	53.88	63.4
	mm	283	308	333	371	416	460	575	638	727	854	879	994	1035	1369	1610
H	inch	14.4	15.7	16.1	18.9	26.6	27.6	29.5	31.5	37.6	54.7	62.6	71.7	80.7	90.6	122.0
	mm	365	400	410	480	676	700	750	800	955	1390	1590	1820	2050	2300	3100
W	inch	7.7	8.5	9.4	10.6	12.4	14.0	15.7	17.7	19.7	22.1	27.6	27.6	27.6	31.5	31.5
	mm	195	215	240	270	315	355	400	450	500	560	700	700	700	800	800
L	inch	-	-	-	-	-	-	-	-	-	16.3	18.4	18.4	18.4	20.7	20.7
	mm	-	-	-	-	-	-	-	-	-	414	468	468	468	526	526
Weight	LB	61.7	86.0	99.2	189.6	253.6	330.8	621.8	809.2	1045.2	1907.3	2529.1	3014.2	3572.1	5159.7	7364.7
	Kg	28	39	45	86	115	150	280	367	474	865	1147	1367	1620	2340	3340

CLASS 600

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14	16
	mm	50	65	80	100	125	150	200	250	300	350	400
L1 & L3	inch	11.5	13.0	14.0	17.0	20.0	22.0	26.0	31.0	33.0	35.0	39.0
	mm	292	330	356	432	508	559	660	787	838	889	991
L2	inch	11.62	13.12	14.12	17.12	20.12	22.12	26.12	31.12	33.12	35.12	39.12
	mm	295	333	359	435	511	562	664	791	841	892	994
H	inch	16.0	19.8	19.9	22.4	31.8	37.8	51.8	59.5	66.9	70.9	76.0
	mm	407	502	505	568	807	959	1315	1511	1775	1800	1930
W	inch	7.7	8.5	10.6	11.8	14.0	15.7	28.0	31.5	35.4	35.4	35.4
	mm	195	215	270	300	355	400	710	800	900	900	900
L	inch	-	-	-	-	-	-	18.4	20.7	26.4	26.4	26.4
	mm	-	-	-	-	-	-	468	526	670	670	670
Weight	LB	114.5	141.1	187.4	330.8	551.3	714.4	1234.8	1741.9	2264.5	2932.7	3825.7
	Kg	52	65	85	150	250	324	560	790	1027	1330	1735

CLASS 900

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14
	mm	50	65	80	100	125	150	200	250	300	350
L1 & L3	inch	14.5	16.5	15.0	18.0	22.0	24.0	29.0	33.0	38.0	40.5
	mm	368	419	381	457	508	610	737	838	965	1029
L2	inch	14.62	16.62	15.12	18.12	22.13	24.12	29.12	33.12	38.12	40.88
	mm	371	422	384	460	562	613	740	841	968	1038
H	inch	27.4	27.4	30.5	33.7	53.1	58.6	65.69	63.0	67.1	87.0
	mm	695	695	775	855	1350	1488	1665	1600	1705	2210
W	inch	15.7	15.7	15.7	15.7	19.7	22.0	31.5	31.5	35.4	35.4
	mm	400	400	400	400	500	560	800	800	900	900
L	inch	-	-	-	-	-	16.3	20.7	20.7	26.4	26.4
	mm	-	-	-	-	-	414	526	526	670	670
Weight	LB	271.2	341.8	154	441	815.9	1101.5	2756.3	4520.3	5843.3	8048.3
	Kg	123		161	200	370	500	1250	2050	2650	3650

CLASS 1500

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14
	mm	50	65	80	100	125	150	200	250	300	350
L1 & L3	inch	14.5	16.5	18.5	21.5	26.5	27.75	32.75	39.0	44.5	49.5
	mm	368	419	470	546	673	705	832	991	1130	1257
L2	inch	14.62	16.62	18.62	21.62	26.61	28.0	33.13	39.38	45.12	50.25
	mm	371	422	473	549	676	711	842	1000	1146	1276
H	inch	27.4	27.4	31.5	40.0	57.1	64.8	77.2	91.0	105.1	126.0
	mm	695	695	799	1015	1450	1645	1960	2310	2670	3200
W	inch	15.7	15.7	19.7	19.7	24.8	28.0	28.0	30.0	30.0	30.0
	mm	400	400	500	500	630	710	710	760	760	760
L	inch	-	-	-	-	-	18.4	18.4	20.2	20.2	22.3
	mm	-	-	-	-	-	468	468	512	512	567
Weight	LB	271.2	341.8	396.9	749.7	1124.6	1482	4630.5	7055.0	9702.0	11907.0
	Kg	123	155	180	340	510	627	2100	3200	4400	5400

CLASS 2500

Valve Size	inch	2	2½	3	4	6	8
	mm	50	65	80	100	150	200
L1 & L3	inch	17.75	20.0	22.75	26.5	36.0	40.25
	mm	451	508	578	673	914	1022
L2	inch	17.87	20.25	23.0	26.88	36.5	40.87
	mm	454	514	584	683	927	1038
H	inch	28.35	31.50	34.84	49.61	75.0	97.05
	mm	720	800	885	1260	1905	2465
W	inch	16.0	20.0	22.0	24.0	24.0	24.0
	mm	400	500	560	600	610	610
L	inch	-	-	-	-	-	-
	mm	-	-	-	-	-	-
Weight	LB	388.0	582.0	679.0	1673.3	4387.2	9678.3
	Kg	176	264	308	759	1990	4390

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