



**GLOBE VALVE**

**STANDARDS**

DESIGN AND MANUFACTURE:  
BS 1873, ASME B16.34, BS 5352  
VALVE INSPECTION AND TEST: API 598  
FACE TO FACE DIMENSION: ASME B16.10  
FLANGE CONNECTION DEMENSION: ASME B16.5  
BW CONNECTION DEMENSION: ASME B16.25  
PRESSURE-TEMPERATURE RATINGS: ASME B16.34

No	Part Name	STANDARD	LOW TEMPERATURE	STAINLESS STEEL
1	BODY	A216 WCB	A352 LCC	A351 CF8M
2	CIRCULAR METAL BLOCK	A182 F6	A182 F304	A182 F316
3	DISC	A105	A350 LF2	A182 F316
4	DISC NUT	A182 F6	A182 F304	A182 F316
5	NUT	A194 2H	A194 7	A194 8
6	BOLT	A193 B7	A320 L7	A193 B8
7	GASKET	304/316+GRAPHITE		
8	BONNET	A216 WCB	A352 LCC	A351 CF8M
9	STEM PACKING	GRAPHITE		
10	GLAND	A182 F6	A182 F304	A182 F316
11	GLAND FLANGE	A216 WCB	A352 LCC	A351 CF8M
12	NUT	A194 2H	A194 7	A194 8
13	GLAND EYEBOLT	A193 B7	A320 L7	A193 B8
14	STEM	A182 F6	A182 F304	A182 F316
15	STEM NUT	A439 D2		
16	SCREW	CARBON STEEL or ALLOY STEEL		
17	HANDWHEEL	DUNCTILE IRON or STEEL		
18	H.W.LOCK NUT	CARBON STEEL or ALLOY STEEL		
19	WASHER	CARBON STEEL or ALLOY STEEL		

\* The materials are according to ASTM standard

\* Other materials are available upon request

**FACE TO FACE DIMENSIONS AND WEIGHTS**

Class 150												
DN NPS	15 1/2	25 1	40 1 1/2	50 2	65 2 1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12
RF (mm)	108	127	165	203	216	241	292	356	406	495	622	699
BW (mm)	108	127	165	203	216	241	292	356	406	495	622	699
RTJ (mm)	119	140	178	216	229	254	305	369	419	508	635	711
RF (kg)	14	15	16	21	30	41	64	90	113	190	238	410
BW (kg)	12	13	14	19	27	38	54	75	93	170	215	370

Class 300											
DN NPS	15 1/2	25 1	40 1 1/2	50 2	65 2 1/2	80 3	100 4	125 5	150 6	200 8	250 10
RF (mm)	152	203	229	267	292	318	356	400	445	559	622
BW (mm)	152	203	229	267	292	318	356	400	445	559	622
RTJ (mm)	163	216	241	283	308	333	371	416	460	575	638
RF (kg)	20	23	26	37	50	61	115	130	176	333	340
BW (kg)	18	20	20	31	43	52	100	110	150	320	280

Class 600							
DN NPS	15 1/2	25 1	40 1 1/2	50 2	65 2 1/2	80 3	100 4
RF (mm)	165	216	241	292	330	356	432
BW (mm)	165	216	241	292	330	356	432
RTJ (mm)	163.4	216	241	295	333	359	435
RF (kg)	22	25	28	39	56	68	121
BW (kg)	20	22	24	35	44	59	97

Class 900							
DN NPS	20 3/4	25 1	40 1 1/2	50 2	65 2 1/2	80 3	100 4
RF (mm)	229	254	305	368	419	381	457
BW (mm)	229	254	305	368	419	381	457
RTJ (mm)	229	254	305	371	422	384	460
RF (kg)	25	28	32	87	130	122	182
BW (kg)	22	24	28	80	115	102	167