



FLOATING BALL VALVE

STANDARDS

DESIGN AND MANUFACTURE:
 ASME B16.34, API 6D, BS 5351, API 608
 VALVE INSPECTION AND TEST: API 598, API 6D
 FACE TO FACE DIMENSION: ASME B16.10, API 6D
 FLANGE CONNECTION DIMENSION: ASME B16.5
 BW CONNECTION DIMENSION: ASME B16.25
 PRESSURE/TEMPERATURE RATINGS: ASME B16.34

No	Part Name	STANDARD NACE(2002)	LOW TEMPERATURE NACE(2002)	STAINLESS STEEL NACE(2002)
1	BODY	A216 WCB	A352 LCC	A351 CF8M
2	SEAT	RPTFE	RPTFE	RPTFE
		PEEK	PEEK	PEEK
		POM	POM	POM
3	BALL	A182 F316	A182 F316	A182 F316
		A105+ENP	A350 LF2+ENP	
4	O-RING	VITON	VITON	VITON
5	GASKET	304/316+GRAPHITE		
6	BOLT	A193 B7M	A320 L7M	A193 B8M
7	NUT	A194 2HM	A194 7M	A194 8M
8	CAP	A216 WCB	A352 LCC	A351 CF8M
9	ANTISTATIC SPRING	A182 F304	A182 F304	A182 F304
10	ANTISTATIC BALL	A182 F304	A182 F304	A182 F304
11	THUST WASHER	PRTFE	PRTFE	PRTFE
12	STEM	A182 F316	A182 F316	A182 F316
		A105+ENP	A350 LF2+ENP	
13	PACKING	304/316+GRAPHITE		
14	GLAND	A182 F6	A182 F6	A182 F316
15	GLAND FLANGE	A216 WCB	A352 LCC	A351 CF8M
16	SCREW	A193 B7M	A320 L7M	A193 B8M
17	STOPPLATE	CARBON STEEL	CARBON STEEL	CARBON STEEL
18	LEVER	CARBON STEEL	CARBON STEEL	CARBON STEEL
19	O-RING	VITON	VITON	VITON

* 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	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2	65 2 1/2	80 3	100 4	125 5	150 6	200 8	250 10
RF (mm)	108	117	127	140	165	178	190	203	229	356	394	457	533
RTJ (mm)	119	130	140	153	178	191	203	216	242	369	407	470	546
Hand Wheel (Kg)	3	4	5	7	8	12	18	24	38	60	82	145	-
Gear Box (Kg)	-	-	-	-	-	-	-	-	53	79	102	185	280

Class 300												
DN NPS	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2	65 2 1/2	80 3	100 4	125 5	150 6	200 8
RF (mm)	140	152	165	178	190	216	241	283	305	381	403	502
RTJ (mm)	151	165	178	191	203	232	257	299	321	397	419	518
Hand Wheel (Kg)	3	5	6	8	11	16	24	34	56	86	125	222
Gear Box (Kg)	-	-	-	-	-	-	-	52	76	124	163	267

Class 600									
DN NPS	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2	65 2 1/2	80 3	100 4
RF (mm)	165	190	216	229	241	292	330	356	432
RTJ (mm)	164	190	216	229	241	295	333	359	435
Hand Wheel (Kg)	5	7	9	13	17	25	42	56	85
Gear Box (Kg)	-	-	-	-	-	-	-	76	123

Class 900						
DN NPS	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2
RF (mm)	216	229	254	279	305	368
RTJ (mm)	216	229	254	279	305	371
Hand Wheel (Kg)	9	13	16	24	31	45
Gear Box (Kg)	-	-	-	-	-	-

Class 1500						
DN NPS	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2
RF (mm)	216	229	254	279	305	368
RTJ (mm)	216	229	254	279	305	371
Hand Wheel (Kg)	10	14	17	25	33	48
Gear Box (Kg)	-	-	-	-	-	-