



Global Consulting Inc.

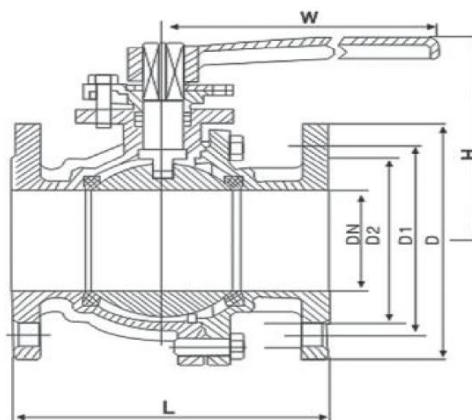
"Managing projects to success"

CAST STEEL BALL VALVES



Global Consulting Inc.
"Managing Projects to Success"

**CAST STEEL
BALL VALVES
CLASS 150, 300**



Technical Standard

Product specification	Design spec	Face to face	Flange end	Test & check	Marking	Supply
	GB/T 12237 JB/T 7745	GB/T 12221 JB/T 7745	JB/T 79	JB/T 9092	GB/T 12220	JB/T 7928
	API 608 API 6D	ANSI B16.10 API 6D	ANSI B16.5	API 598 API 16D	MSS SP-25 API 6D	API 608 API 6D

Chief property and specification

(Lb)	Shell test		Water seal test		Air seal test	
	Mpa	Lbf/in ²	Mpa	Lbf/in ²	Mpa	Lbf/in ²
150	3.1	450	2.2	315	0.5~0.7	60~100
300	7.8	1125	5.6	815		
600	15.3	2225	11.2	1630		
900	23.1	3350	16.8	2440		

Material list

Parts		ACB	Cf8	Cf3	CF8M	CF3M
Body & Body Cap		A216-WCB	A315-CF8	A35-CF3	A351-CF8M	A351-CF3M
Ball	B2-B-	A105-1025	A182-F304L	A182-F304L	A132-F316	A182-F316L
	B8	A216-WCB	A351-CF8M	A351-CF3	A351-CF8M	A351-CF3M
Stem		A182-F6a	A182-F304	A182-F304L	A182-F336	A182-F316L
Seat		PTFE/NYLON PTFE/Reinforced PTFE/Nylon				
Seat retainer		A105-1025	A-182-F304	A182-F304L	A182-F316	A182-F316L
Spring		3yc-7/17-49H				
O-Ring		NBR				
stud		A193-B7				
nut		A194-2H				
		A94-8				



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Main Dimension

DN				150 Lb		150 LbP		150 LbR		
mm	in	L	D	D1	D2	b	f	n-Ø d	H	W0
15	1/2"	108	90	60.3	34.9	9.6	1.6	4-16	59	130
20	3/4"	117	100	69.9	42.9	10.5	1.6	4-16	63	130
25	1"	127	110	79.4	50.8	11.2	1.6	4-16	75	160
32	1-1/4"	140	115	88.9	63.5	12.8	1.6	4-16	75	160
40	1-1/2"	165	125	98.4	73	14.3	1.6	4-16	95	230
50	2"	178	150	120.7	92.1	15.9	1.6	4-19	107	230
65	2-1/2"	190	180	139.7	104.8	17.5	1.6	4-19	142	400
80	3"	203	190	152.4	127	19.1	1.6	4-19	152	400
100	4"	229	230	190.5	157.2	23.9	1.6	8-19	178	700
125	5"	256	255	215.9	185.7	23.9	1.6	8-22	252	1100
150	6"	394	280	241.3	215.9	25.4	1.6	2-22	272	1100
200	8"	457	345	298.5	269.9	28.6	1.6	8-22	342	1500
250	10"	533	405	362	323.8	30.2	1.6	12-26	495	5#
300	12"	610	485	431.8	381	31.8	1.6	12-26	580	6#
350	14"	686	535	476.3	412.8	35	1.6	12-29	625	8#
400	16"	762	595	539.3	469.9	36.6	1.6	16-29	720	+
450	18"	864	635	577.9	533.4	39.7	1.6	16-32	800	+
500	20"	914	700	635	584.2	42.9	1.6	20-32	840	+
600	24"	1067	815	749.3	692.2	47.7	1.6	20-35	1050	+

DN				150 Lb		150 LbP		150 LbR		
mm	in	L	D	D1	D2	b	f	n-Ø d	H	W0
15	1/2"	140	95	66.7	34.9	14.3	1.6	4-16	59	130
20	3/4"	152	115	82.6	42.9	15.9	1.6	4-19	63	130
25	1"	165	125	88.9	50.8	17.5	1.6	4-19	75	160
32	1-1/4"	178	135	98.4	63.5	19.1	1.6	4-19	75	160
40	1-1/2"	190	155	114.3	73	20.7	1.6	4-22	95	230
50	2"	216	165	127	92.1	22.3	1.6	8-19	107	230
65	2-1/2"	241	190	149.2	104.8	25.4	1.6	8-22	142	400
80	3"	282	210	168.3	127	28.6	1.6	8-22	152	400
100	4"	305	255	200	157.2	31.8	1.6	8-22	178	700
125	5"	381	280	235	185.7	35	1.6	8-22	252	1100
150	6"	403	320	269.9	215.9	36.6	1.6	12-22	272	1100
200	8"	502	380	330.2	269.9	41.3	1.6	12-25	342	1500
250	10"	568	445	387.4	323.8	47.7	1.6	16-29	495	5#
300	12"	648	520	450.8	381	50.8	1.6	16-32	580	6#
350	14"	762	585	514.4	412.8	54	1.6	20-32	625	8#
400	16"	838	650	571.5	469.9	57.2	1.6	20-35	720	+
450	18"	914	710	628.6	533.4	60	1.6	24-35	800	+
500	20"	991	775	685.8	584.2	63.5	1.6	24-35	840	+
600	24"	1143	915	812.8	692.2	69.9	1.6	24-41	1050	+

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