

Cast Steel Floating Ball Valve



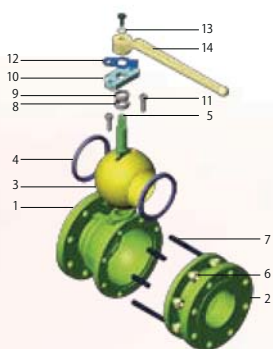
Technical Specification

- Design Standard : API 608
- Face to Face : ASME B 16.10
- Flanged Size : ASME B 16.5
- Test & Inspection : API598

Notes

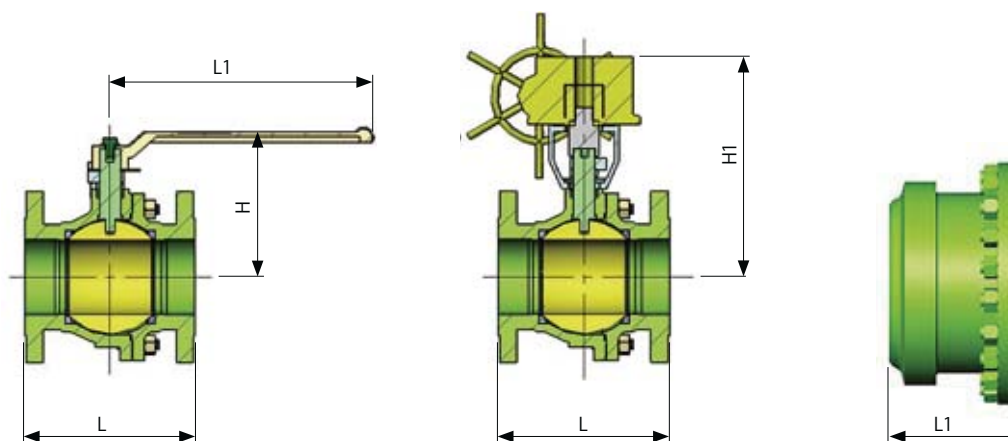
The sizes of serial valve connecting Flange and butt-welding terminal can be designed according to customer's requirement

Parts and Material List



No	Accessory Name	Material		
		Carbon Steel Series	Stainless Steel Series	Cryogenic Steel Series
1	Body	A216-WCB	A351-CF8, CF8M, CF3, CF3M	A352-LCB, LCC
2	Bonnet	A216-WCB	A351-CF8, CF8M, CF3, CF3M	A352-LCB, LCC
3	Ball	A105+HCr/ENP	A351-CF8, CF8M, CF3, CF3M	A352-LCB, LCC+ENP
4	Seat	PTFE, RPTFE, Sintering carbon fibre, Metal+Rubber groupware		
5	Stem	A182-F6a	A182-F304, 316	A182-F6a
6	Nut	A194-2H	A194-8M	A194-4
7	Stud	INCONEL 750		
8	Gasket	A182-F6a	Flexible Graphite + Stainless Steel	A182-F6a
9	Packing Gasket	Flexible Graphite, PTFE		
10	Gland	A216-WCB	A351-CF8, CF8M	A351-CF8
11	Screw Nail	A193-B7	A193-B8, B8M	A320-L7
12	Indicator	GB/T700 Q235A+Zn(Cr)		
13	Ring	A216-WCB		
14	Lever	GB/T 1222 65Mn		

- Notes**
- Ball : The Material of this part about the anti-sulphur type valve is ASTM(A182-304+Ni.P)
 - Stem : The material of this part about the anti-sulphur type valve is ASTM(A276-321) Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



Dimensions and Weights

**PN1.6MPa
CLASS 150**

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	½	¾	1	1½	2	2½	3	4	5	6	8
Flange	L	108	117	127	165	178	190	203	229	356	394	457
Butt Welding	L1	140	152	165	190	216	241	282	305	381	403	419
Hand-Operated	H	59	63	75	95	108	142	152	178	252	272	342
	W	130	130	160	230	203	350	400	500	750	750	900
	Kg	2.3	3.0	4.5	7.0	9.5	15.0	19.0	33.0	58.0	93.0	1600
Worm Gear Operated	H										292	398
	W										400	600
	Type										A	B
	Kg										180	240

**PN2.5 4.0MPa
CLASS 300**

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	½	¾	1	1½	2	2½	3	4	5	6	8
Flange	L	140	152	165	190	216	241	282	305	381	403	502
Butt Welding	L1	140	152	165	190	216	241	282	305	381	403	502
Hand-Operated	H	59	63	75	95	167	142	152	178	252	272	342
	W	130	130	160	230	230	350	400	500	750	750	900
	Kg	2.5	3.5	5.5	10.5	14.5	23.5	30.0	55.0	81.0	118	200
Worm Gear Operated	H										292	398
	W										400	600
	Type										A	B
	Kg										220	365

**10MPa
CLASS 600**

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	½	¾	1	1½	2	2½	3	4	5	6	8
Flange	L	165	190	216	241	292	330	356	406 (432)			
Butt Welding	L1	165	190	216	241	292	330	356	406 (432)			
Hand-Operated	H	59	63	75	95	167	180	198	198			
	W	160	160	230	400	400	650	650	1050			
	Kg	6.5	9.0	13.0	16.5	25.0	30.0	55.0	66.0			
Worm Gear Operated	H							292	398			
	W							400	600			
	Type							A	B			
	Kg							72	85			