

Cast Steel Globe Valve (Bolt Bonnet)

Applicable Standards:

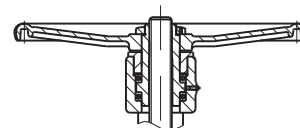
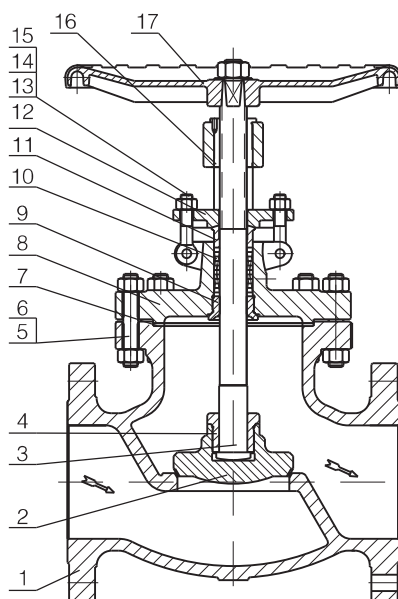
Design and Manufacture: BS 1873
Face to Face and End to End: ASME B 16.10
Flanged ends: ASME B16.5
Butt welded ends: ASME B16.25
Test & Inspection: API 598

Design Description:

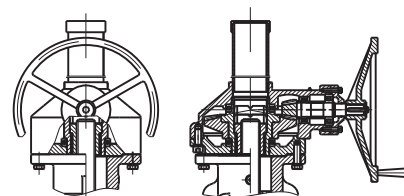
Straight pattern body design
Outside Screw and Yoke (OS & Y)
Bolted Bonnet (BB)
Yoke integral with bonnet
Rising stem and handwheel
Loose disc, optional plug or ball type
Renewable seat ring upon request
Impact handwheel for NPS 10 & above
Horizontal service
Flanged or butt welding ends
Available with bevel gear operator

Main Materials:

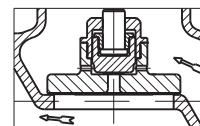
WCB, LCB, WC6, WC9, CF8, CF8M,
CF3, CF3M, A995 4A, A995 5A, A995 6A,
Alloy 20, Monel, Inconel



Available With Handwheel Operator



BEARINGS FOR LARGE TORQUE LOADS



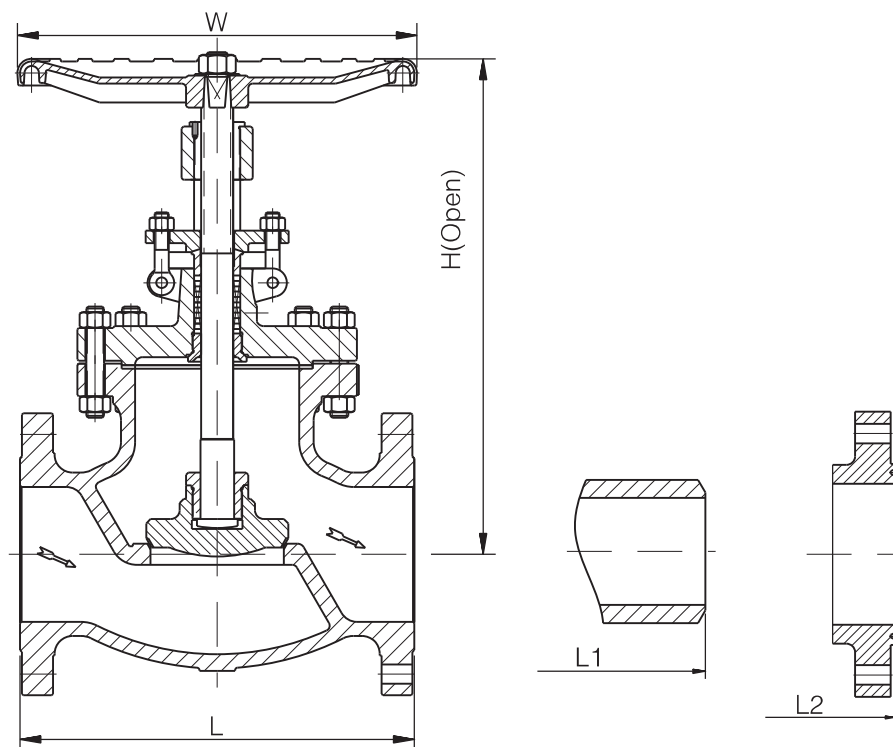
DOUBLE DISC FOR HIGH AXIAL STRESS

Main Parts Material Sheet

NO.	PART	ASTM Material				
		WCB	LCB ⁽¹⁾	WC6	CF8(M)	CF3(M)
1	BODY	A216 WCB+13Cr	A352 LCB+13Cr	A217 WC6+STL	A351 CF8(M)+STL	A351 CF3(M)+STL
2	DISC	A216 WCB+13Cr	A352 LCB+13Cr	A182 F11+STL	A351 CF8(M)	A351 CF3(M)
3	STEM	A182 F6	A182 F6	A182 F6	A182 F304(F316)	A182 F304L(F316L)
4	SLEEVE	A105	A105	A182 F11	A182 F304(F316)	A82 F304L(F316L)
5	BONNET BOLT	A193 B7	A320 L7	A193 B16	A193 B8(M)	A193 B8(M)
6	BONNET NUT	A194 2H	A194 7	A194 4	A194 8(M)	A194 8(M)
7	GASKET	SS304+GRAPHITE			PTFE / SS304+GRAPHITE	PTFE / SS316+GRAPHITE
8	BONNET	A216 WCB	A352 LCB	A217 WC6	A351 CF8(M)	A351 CF8M
9	BACKSEAT	A182 F6	A182 F6	A182 F6	—	—
10	PACKING	FLEXIBLE GRAPHITE			PTFE / FLEXIBLE GRAPHITE	
11	GLAND	A182 F6	A182 F6	A182 F6	A182 F304(F316)	A182 F304L(F316L)
12	GLAND FLANGE	A216 WCB	A352 LCB	A217 WC6	A351 CF8	A351 CF3
13	GLAND EYEBOLT	A193 B7			A193 B8	A193 B8
14	NUT	A194 2H			A194 8	A194 8
15	PIN	AISI 1025			AISI 1025	
16	STEM NUT	BRONZE			BRONZE	
17	HANDWHEEL NUT	AISI 1035			AISI 1035	

Different Trim are available upon request.

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Dimensions

CLASS 150

Size	in	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16
	mm	40	50	65	80	100	150	200	250	300	350	400
L/L1 (RF/BW)	in	6.5	8.00	8.50	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00
	mm	165	203	216	241	292	406	495	622	698	787	914
L2 (RTJ)	in	7.0	8.00	8.50	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00
	mm	178	203	216	241	292	406	495	622	698	787	914
H (Open)	in	14.25	15.00	21.00	17.50	20.25	22.00	24.25	32.00	35.88	48.38	57.00
	mm	326	380	535	445	515	560	615	815	910	1230	1450
D0	in	7.88	7	10	11	11	13	13	16	18	20	24
	mm	200	180	240	280	280	320	320	400	450	500	600

Dimensions

CLASS 300

Size	in	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16
	mm	40	50	65	80	100	150	200	250	300	350	400
L/L1 (RF/BW)	in	9	10.50	11.50	12.50	14.00	17.50	22.00	24.50	28.00	–	–
	mm	229	267	292	318	356	444	559	622	711	–	–
L2 (RTJ)	in	9.5	11.12	12.12	13.12	14.62	18.12	22.62	25.12	28.62	–	–
	mm	241	282	308	333	371	460	575	638	727	–	–
H (Open)	in	14.17	16.75	19.00	19.88	22.50	25.25	33.25	35.50	38.62	–	–
	mm	360	425	485	505	570	640	845	900	980	–	–
D0	in	7.88	8	10	11	13	16	18	20	24	–	–
	mm	200	200	240	280	320	400	450	500	600	–	–