CAST GLOBE VALVE

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DESIGN TO BS 1873

Cast with uniform wall thickness, smooth flowing contours and generous fillet radii to prevent stress concentrations. Designed for structural stability, mechanical strength and safe weldability. Precision machined.

ONE-PIECE DESIGN BONNET

Cast steel O S & Y type. The one piece design aligns stem accurately, eliminating excessive weight and unnecessary working parts. All bonnets are equipped with a stainless steel bushing which serves as a guide for stem and provides back seating when the valve is wide open under pressure.

EFFICIENT DISC GUIDING

Fully guided disc ensures no chatter on seat face during closure and eliminates undue side thrust on stem.

CA 15/STELLITE FACED LEAK-PROOF SEATS FOR LONG SERVICE

Hardfaced with CA 15/Stellite for longer seat life. Suitable for steam, oil and gas at higher temperatures. Seating faces are ground and lapped.

STEM

Heat treated 13% Cr stainless steel, with precision square thread. Self adjusting radial backseating shoulder engages with the backseat in the bonnet. Ground mirror like finish assures long life of packing which drastically reduces friction and ensures no leakage.

STRONG, LEAK-PROOF, BODY-BONNET JOINT, FULLY ENCASED GASKET

The design of the gasketed joint is critical. Its compression is better controlled in a fully enclosed cavity.

STUFFING BOX

In all valves the stuffing box is deep, has high quality finish and holds high pressure/temperature packing rings ensuring leak tightness and long packing life. Asbestos free graphoil packing is available.

FLANGE FACING

Flanges of class 150 and 300 have a 1/16” raised face and serrated finish.

Materials of Construction

		WCB	CF8	CF8M
1	BODY	WCB	CF8	CF8M
2	BONNET	WCB	CF8	CF8M
3	DISC	CA 15	CF8	CF8M
4	SEAT	CA 15 / STELLITE-6	CF8	CF8M
5	STEM	SS410	SS304	SS316
6	STEM NUT	GUN METAL	SS304	SS316
7	BACKSEAT	SS410	SS304	SS316
8	GLAND	WCB	CF8	CF8M
9	PACKINGS	GRAPHITED ASBESTOS	P.T.F.E.	P.T.F.E.
10	BOLTS	A 193-B7	B8	B8M
11	NUTS	A 194-2H	A 194-8	A 194-8M
12	HANDWHEEL	CI	CI	CI

Also available in Zero Leak Version.

Test Pressures

TEST	Pr.	150	300	TESTING MEDIUM
SHELL	psig	450	1125	KEROSENE or WATER
	BAR	30	77	
BACKSEAT	psig	325	835	
	BAR	22	57	
SEAT LEAK	psig	325	825	WATER
	BAR	22	57	

SEAT LEAK Air Test provided on request.

Dimensions

ASA 150 # [inches]

BORE DIA	F to F	F DIA	F THIC	P.C.D.	RFD	N of H	H DIA
1	5	4 1/4	7/16	3 1/8	2	4	5/8
1 1/2	6 1/2	5	9/16	3 7/8	2 7/8	4	5/8
2	8	6	5/8	4 3/4	3 5/8	4	3/4
2 1/2	8 1/2	7	11/16	5 1/2	4 1/8	4	3/4
3	9 1/2	7 1/2	3/4	6	5	4	3/4
4	11 1/2	9	15/16	7 1/2	6 3/16	8	3/4
5	14	10	15/16	8 1/2	7 5/16	8	7/8
6	16	11	1	9 1/2	8 1/2	8	7/8
8	19 1/2	13 1/2	1 1/8	11 3/4	10 5/8	8	7/8

DIN 40 [millimeter]

BORE DIA	F to F	F DIA	F THIC	P.C.D.	RFD	RFTHIC	N of H	H DIA
25	160	115	18	85	68	2	4	14
40	200	150	18	110	88	3	4	18
50	230	165	20	125	102	3	4	18
65	290	185	22	145	122	3	8	18
80	310	200	24	160	138	3	8	18
100	350	235	24	190	162	3	8	23
125	400	270	26	220	188	3	8	27
150	480	300	28	250	218	3	8	27

The specifications and data in this leaflet are as accurate as possible. Improvements and modifications from time to time may necessitate change in design and dimensions.