

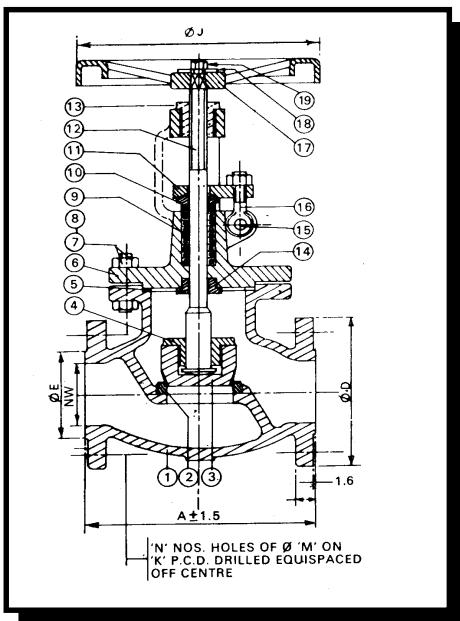
Cast Steel Globe Valve

**FOR STEAM AND THERMIC FLUID
CONFORMING TO BS : 1873
CLASS 150 / 300 / 600**

Rashtria Cast Steel Globe Valves are manufactured to the highest standards of durability and reliability. Available in three classes (150,300,600) these valves are particularly suitable for steam, water, air, gas and other non-lubricating and relatively non-corrosive fluids, and are designed for accurate control and regulation of flow. The disc and seat are designed with extreme care, and so are other basic parts Body, Bonnet, Gland, Flange Gland Packing, Valve Stem Valve Disc, Valve Gasket and Handwheel.

PRIMARY SERVICE RATING			
	PRESSURE	TEMPERATURE	
CLASS150	150 PSIG [11 Kg/cm ² (g)]	500°F	260°C
CLASS 300	300 PSIG [21 Kg/cm ² (g)]	850° F	455° C
CLASS 600	600 PSIG[42 Kg/cm ² (g)]	850°F	455°C

TEST PRESSURE AS PER API-598 STD.			
	BODY	BACKSEAT	AIR
CLASS150	425 PSIG	300 PSIG	100 PSIG
CLASS 300	1100 PSIG	750 PSIG	100 PSIG
CLASS 600	2175 PSIG	1500 PSIG	100 PSIG



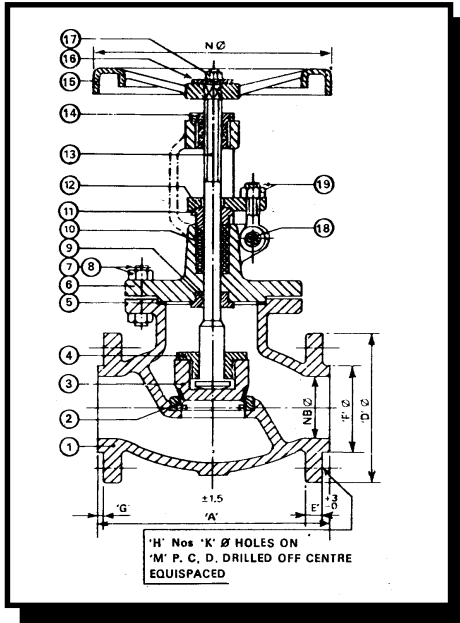
MANUFACTURING STANDARD : B.S. 1873								
NB	A	D	E	T	K	M	N	J
25	127	108	51	11	79	16	4	115
40	165	127	73	14	98.5	16	4	152
50	203	152	92	16	120.6	19	4	203
65	216	178	105	17.5	140	19	4	203
80	241	190.5	127	19	154	19	4	254
100	292	229	157	24	190.5	19	8	305
125	356	254	186	24	216	22	8	305
150	406	279	216	25	241	22	8	356
200	495	343	270	28.5	298	22	8	406
250	622	406	324	30	362	25	12	450

S. NO.	PARTNAME	QTY.	MATERIAL
1.	BODY	1	C.S. ASTM A 216 GR. W.C.B.
2.	SEAT RING	1	CARBON STEEL */18% CR.
3.	DISC	1	CARBON STEEL */18% CR.
4.	SPINDLE NUT	1	AISI410
5.	BODY SEAL	1	COMP ASBESTOS FIBRE
6.	BONNET	1	ASTM A 216 GR. W.C.B.
7.	BONNET STUD	AS REQD.	CARBON STEEL
8.	BONNET STUT/NUT	AS REQD.	CARBON STEEL
9.	GLANDPACKING	"	Matallic wire reinforced graphited asbestos fibre
10.	GLAND	1	AISI410
11.	GLANDFLANGE	1	CARBON STEEL
12.	SPINDLE	1	AISI410
13.	YOKE NUT	1	AL. BRONZE /Ni-RESIST
14.	BONNET BUSH	1	AISI410
15.	CROSS BOLT/NUT	2/2	CARBON STEEL
16.	EYE BOT/NUT	2/2	CARBON STEEL
17.	HANDWHEEL	1	CAST IRON
18.	WASHER	1	CARBON STEEL
19.	HANDWHEEL NUT	1	CARBON STEEL

Note : Upto below 3" - Disc shall be 13% or 18% Cr. Above 3" Disc shall be Carbon Steel with 13% or 18% cr. Steel Distance Between Flanges ANSI B-16.10, Dimentions and Drilled According ANSI B-16.5

SCALE : N.T.S.

Cast Steel Globe Valve CL- 150			
Test Pressure		Name	Date
Body :425 psi (hyd)	Traced Drawn		
Seat :300 psi (hyd)			
Cat. No. GVS 207	Compared		
Drg. No. 207		Checked	
Material	Approved		
Rashtria Metal & Steel Inds.(Regd) Jalandhar - 144 004 (India)			



MANUFACTURING STANDARD : B.S. 1873								
NB	A	D	E	T	K	M	N	J
25	203	124	51	17.5	89	19	4	115
40	229	155.5	73	20.5	114	22	4	152
50	267	165	92	22	127	19	8	203
65	292	190.5	105	25	149	22	9	203
80	317.5	209.5	127	28.5	168	22	8	254
100	356	254	157	32	200	22	8	305
125	375	279	186	35	235	22	8	305
150	444.5	317.5	216	36.5	270	22	12	356
200	533	381	270	41	330	25	12	406
250	622	444.5	324	47.5	387	28.5	16	450

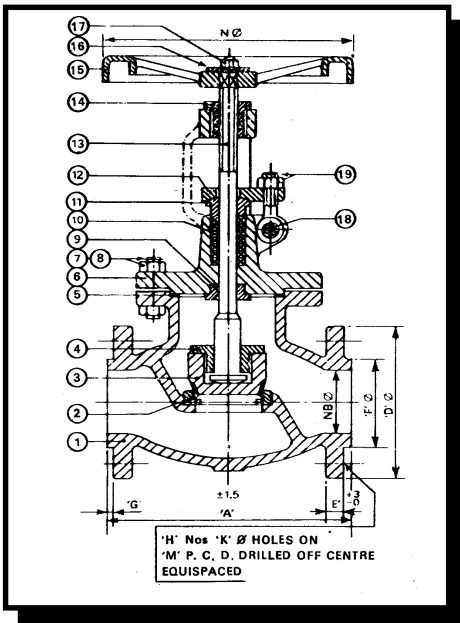
S. NO	PART NAME	QTY.	MATERIAL
1.	BODY	1	C.S. ASTM A 216 GR. W.C.B.
2.	SEAT RING	1	CARBON STEEL */18% CR.
3.	DISC	1	CARBON STEEL */18% CR.
4.	SPINDLE NUT	1	AISI410
5.	SPINDLE	1	AISI410
6.	BONNET BUSH	1	AISI410
7.	BODY SEAL	1	SS304 SPIRAL WOUND METALLIC GASKET
8.	BONNET	1	ASTM A 216 GR. W.C.B.
9.	BONNET STUD	AS REQD.	ASTM A 193 GR. B7
10.	BONNET STU X /NUT	AS REQD.	ASTM A 194 GR. 2H
11.	GLAND PACKING	"	Matallic wire reinforced graphited asbestos fibre
12.	GLAND	1	AISI410
13.	GLAND FLANGE	1	CARBON STEEL
14.	CROSS BOLT/NUT	2/2	CARBON STEEL
15.	EYE BOT/NUT	2/2	CARBON STEEL
16.	YOKE NUT	1	ALL BRONZE / Ni-RESIST
17.	HANDWHEEL	1	CAST IRON
18.	WASHER	1	CARBON STEEL
19.	HANDWHEEL NUT	1	CARBON STEEL

* WITH 13% Cr. FACING

NOTE : Upto below 3" - disc shall be 13% or 18% Cr. above 3" disc shall be Carbon Steel with 13% or 18% Cr. steel distance between flanges ANSI B-16.10, dimensions and drilled according ANSI B-16.5.

SCALE : N.T.S.

Cast Steel Globe Valve CL- 300			
Test Pressure		Name	Date
Body : 1100psi (hyd)		Traced Drawn	
Seat : 750 psi (hyd)			
Cat. No.	GVS 208	Compared	
Drg. No.	208	Checked	
Material		Approved	
Rashtria Metal & Steel Inds.(Regd) Jalandhar - 144 004 (India)			



MANUFACTURING STANDARD : B.S. 1873									
NB	A	D	E	F	G	H	K	M	N
25	216	124	17.5	51	6	4	19	89	115
40	241	156	22	73	6	4	22	114	152
50	292	165	25	92	6	48	19	127	203
65	330	191	29	105	6	8	22	149	203
80	356	210	32	127	6	8	22	168	254
100	432	273	38	157	6	8	25	216	305
125	508	330	45	186	6	8	29	267	305
150	559	356	48	216	6	12	29	292	356
200	660	419	56	270	6	12	32	349	406
250	787	508	64	324	6	16	35	432	406
300	838	559	67	381	6	20	35	489	450

S. NO	PART NAME	QTY.	MATERIAL
1.	BODY	1	C.S. ASTM A 216 GR. W.C.B.
2.	SEATRING	1	C.S. 13% CR.FACING
3.	DISC	1	C.S. 13% CR.FACING
4.	SPINDLE NUT	1	S.S., AISI 410
5.	GASKET	1	SS304 SPIRAL WOUND METALLIC GASKET
6.	BONNET	1	ASTM A 216 GR. W.C.B.
7.	BONNET STUD	AS REQD.	ASTM-A-193-GR. 2H
8.	BONNET STUT//NUT	AS REQD.	ASTM-A-194-GR. 2H
9.	BONNET BUSH	1	S.S., AISI 410
10.	GLAND PACKING	1	MATALLIC WIRE REINFORCED GRAPHITED ASBESTOS FIBRE
11.	GLAND	1	S.S. AISI 410
12.	GLAND FLANGE	1	CARBON STEEL
13.	SPINDLE	1	S.S., AISI 410
14.	YOKE NUT	1	ALL BRONZE /NI-RESIST
15.	HANDWHEEL	1	CAST IRON
16.	WASHER	1	CARBON STEEL
17.	HANDWHEEL NUT	1	CARBON STEEL
19.	CROSS BOLT/NUT	2/2	CARBON STEEL
19.	EYE BOT/NUT	2/2	CARBON STEEL

* WITH 13% Cr. FACING

NOTE : Sizes 5" and above are regularly provided with yokes having anti-friction bearing. Distance Between Flanges ANSI B-16.10 , Dimentions and Drilled According ANSI B-16.5

SCALE : N.T.S.

Cast Steel Globe Valve CL- 600			
Test Pressure		Name	Date
Body : 2175psi (hyd)	Traced Drawn		
Seat : 1500 psi (hyd)			
Cat. No. GVS 208	Compared		
Drg. No. 208	Checked		
Material	Approved		
Rashtria Metal & Steel Inds.(Regd) Jalandhar - 144 004 (India)			