



ENGINEERING DATA	
DESIGN CODE	BS 1873
FACE TO FACT DIM.	ANSI B 16.10
END CONNECTION	ANSI B 16.5 RFSR
INSPECTION & TESTING	API 598

HYDRO TEST:			AIR TEST	
BODY	SEAT	BACK SEAT	SEAT	
31 KG/CM <sup>2</sup> G	21 KG/CM <sup>2</sup> G	21 KG/CM <sup>2</sup> G	6 KG/CM <sup>2</sup> G	

S.No.	PARTS NAME	MATERIALS	QTY.
21	GRUB SCREW	CARBON STEEL	1
20	CROSS NUT	CARBON STEEL	2
19	CROSS BOLT	CARBON STEEL	2
18	EYE BOLT NUT	CARBON STEEL	2
17	EYE BOLT	CARBON STEEL	2
16	NUT	ASTM A 194 Gr.2H	16
15	STUD	ASTM A 193 Gr.B7	8
14	GLAND PACKING	GRAPHITED ASBESTOS	6
13	GASKET	C.A.F./C.S.I.	1
12	DISC NUT	ASTM A 276 T 410	1
11	HAND WHEEL NUT	CARBON STEEL	1
10	HAND WHEEL	CARBON STEEL	1
9	YOKE BUSH	EN-1A	1
8	GLAND FLANGE	CARBON STEEL	1
7	GLAND BUSH	ASTM A 276 T 410	1
6	BACK SEAT BUSH	ASTM A 276 T 410	1
5	STEM	ASTM A 276 T 410	1
4	SEAT RING	ASTM A 276 T 410	1
3	DISC	ASTM A 216 Gr.WCB	1
2	BONNET	ASTM A 216 Gr.WCB	1
1	BODY	ASTM A 216 Gr.WCB	1

SIZE	NW	F/F	H	H1	ØWh	ØD	ØG	B	K	N	ØJ
½"	15	108	206	219	127	90	35	10	60.4	4.0	15.8
¾"	20	117	232	245	127	100	43	10.9	69.8	4.0	15.8
1"	25	127	248	265	127	110	51	11.6	79.2	4.0	15.8
1¼"	32	140	265	283	150	115	64	11.7	88.9	4.0	15.8
1½"	40	165	282	304	150	125	73	14.7	98.5	4.0	15.8
2"	50	203	330	350	200	150	92	16.3	120.6	4.0	19.0
2½"	65	216	340	366	200	180	105	17.9	139.7	4.0	19.0
3"	80	241	350	388	250	190	127	19.5	152.4	4.0	19.0
4"	100	292	435	475	300	230	157	24.3	190.5	8.0	19.0
6"	150	406	475	545	400	280	216	25.9	241.3	8.0	22.3
8"	200	495	530	612	450	345	270	29	298.4	8.0	22.3
10"	250	622	740	820	500	405	324	30.6	361.9	12	25.4
12"	300	699	780	875	600	485	381	32.2	431.8	12	25.4

\* All sharp corner should be removed.  
 \* All dimensions are in mm.  
 \* Unless otherwise specified.

UN SPECIFIED TOLERANCES	
0.5 TO 75	±0.1
76 TO 150	±0.15
151 TO ABOVE	±0.2

DRAWN BY		CHD. BY	APPD. BY	DATE	SCALE
TOFIK				09/09/12	1:1
DATE		AMENDMENT / REVISION			
Symbol	Ra Value	Specification			
~	-	ROUGH			
∇	8 to 25 µm	MEDIUM			
∇∇	1.6 to 8 µm	FINE MACHINED			
∇∇∇	0.025 to 1.8 µm	FINE GROUND			
∇∇∇∇	< 0.025 µm	LAPPED			
SHEET : 01 OF 01		TITLE: ASSEMBLY GLOBE VALVE (150#)			
MAT. WCB		DRG. NO. GBV-15-300-150			

**Engineers Combine**  
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