

## CS-7 Cast Steel Globe Valve PN-40, Flanged Ends

### Description

- NETA Cast Steel (ASTM A216 Gr. WCB) Globe Valve
- Straight Pattern
- BS:5160 / DIN 2401 PN40
- Outside Screw and Yoke Type
- Bolted Bonnet
- 13% Cr. Stainless Steel (ASTM A182 Gr.F6a / AISI - 410) Trim
- Flanged Ends to BS:4504 Part 1 Table 40 / 1 / DIN 2545 PN40
- Raised Face
- Drilled / Undrilled

### Test Pressure

Body : 60 Bar Gauge Hyd.

Seat : 40 Bar Gauge Hyd.

Back Seat : 40 Bar Gauge Hyd.

### Design Features

- Streamlined shaped full flow way area body for smooth flow of the working fluid for minimum pressure drop.
- Bolted Body - Bonnet Joint, Outside Screw and Yoke type rising stem.
- Bolted self aligning two piece gland.
- Renewable 13% Cr. Stainless Steel Body Seat Ring and Disc/Weld deposit, Disc Facing Ring having difference in hardness of at least 50 HB.
- Ample depth of Stuffing Box.
- S.S (AISI-304) Spiral Wound Asbestos filled Gasket for Body - Bonnet Joint.
- Back seating arrangement permits the replacement of gland packing in fully open position while the Valve is under inline pressure.
- Self aligning loose Valve Disc on Stem.
- Sturdy spoked handwheel is provided for operation of the Valve.
- Designed for tight shut off and efficient fluid flow control.



### Certification

IBR Test Certificate in FORM III-C duly signed by the Director of Boilers, Punjab is provided for Valves to be used on steam service.

For services other than steam our own Works Test Certificate shall be issued.

### Application : Steam, Water, Oil

**HSN : 84818010**

### Materials

PNo.	Part	Nos.	Material	Standard
1	Nut	1	M.S.	IS:1367
2	Washer	1	M.S.	IS:226
3	Handwheel	1	C.I.	IS:210 Gr.FG200
4	Stem	1	S.S. 13% Cr. Min HB 200	ASTM A182 Gr.F6a / AISI - 410
5	Yoke Bush	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
6	Gland Flange	1	Carbon Steel / Cast Steel	IS:226 / ASTM A182 Gr.F6a
7	Packing	-	Graphited Asbestos	-
8	Bonnet	1	Cast Steel	ASTM A216 Gr.WCB
9	Gasket	1	S.S. (AISI - 304) Spiral Wound Asbestos Filled	-
10	Back Seat	1	S.S. 13% Cr. Min HB 200	ASTM A182 Gr.F6a / AISI - 410
11	Body	1	Cast Steel	ASTM A216 Gr.WCB
12	Gland	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
13	Studs and Nuts	To Suit	Alloy Steel and H.T.Steel	ASTM A194 Gr.B7 and ASTM A193 Gr.2H
14	Disc	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
15	Body Seat Ring	1	S.S. 13% Cr. Min HB 250	ASTM A182 Gr.F6a / AISI - 410

PNo.	Part	Nos.	Material	Standard
16	Eye Bolt	2	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
17	Gland Nuts	2	S.S. 13% Cr./ Carbon Steel	ASTM A182 Gr.F6a / AISI - 410 Min. UTS 392N/mm <sup>2</sup>
18	Locking Screw	1	M.S.	IS:226

### Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L	H	W
1/2	15	130	167	100
3/4	20	150	170	100
1	25	160	201	100
1.1/4	32	180	218	160
1.1/2	40	200	247	160
2	50	230	275	175
2.1/2	65	290	326	200
3	80	310	348	200
4	100	350	386	250
5	125	400	431	250
6	150	480	494	320
8	200	600	584	400

