

CS-14 Cast Steel Globe Valve Class 150, Flanged Ends

Description

- NETA Cast Steel (ASTM A216 Gr. WCB) Globe Valve
- BS:1873 Class 150
- Outside Screw and Yoke Type
- Bolted Bonnet
- 13% Cr. Stainless Steel (AISI - 410 / ASTM A 182 Gr.F6a) Trim
- Flanged Ends to ANSI-B 16.5 Class 150
- Raised Face
- Drilled / Undrilled

Test Pressure

Body : 30 Bar Hyd.

Seat : 22 Bar Hyd., 6.9 Bar Air

Back Seat : 22 Bar Hyd.

Design Features

- Bolted Body - Bonnet Joint.
- Stem threads are outside the pressure containing parts & never come in contact with the working fluid thus avoiding corrosion of threads.
- Back seating arrangement permits the replacement of gland packing in fully open position while the Valve is under inline pressure.
- 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.
- 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 service other than steam our own Works Test Certificate shall be issued.

Application : Steam, Water, Oil

HSN : 84818010

Materials

| PNo. | Part | Nos. | Material | Standard |
|------|----------------|------|---------------------|-------------------------------|
| 1 | Handwheel Nut | 1 | M.S. | IS:1367 |
| 2 | Washer | 1 | M.S. | IS:226 |
| 3 | Handwheel | 1 | C.I. | IS:210 Gr.FG:200 |
| 4 | Locking Screw | 1 | M.S. | IS:1367 |
| 5 | Yoke Bush | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 6 | Stem | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 7 | Gland Flange | 1 | Carbon Steel / C.S. | IS:226 / ASTM A216 Gr.WCB |
| 8 | Gland Packing | - | Asbestos Graphited | - |
| 9 | Bonnet | 1 | Cast Steel | ASTM A216 Gr.WCB |
| 10 | Gasket | 1 | C.A.F. | IS:2712 |
| 11 | Back Seat Bush | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 12 | Disc Nut | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 13 | Locking Washer | 1 | S.S. 18/8% Cr./Ni | AISI - 304 |
| 14 | Disc | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 15 | Thrust Plate | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 16 | Body Seat Ring | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 17 | Body | 1 | Cast Steel | ASTM A216 Gr.WCB |

| PNo. | Part | Nos. | Material | Standard |
|------|-------------|---------|---------------------|---|
| 18 | Gland Bolts | 2 | S.S. 13% Cr. / M.S. | ASTM A182 Gr.F6a / AISI - 410 / IS:1367 |
| 19 | Gland Nuts | 2 | S.S. 13% Cr. / M.S. | ASTM A182 Gr.F6a / AISI - 410 / IS:1367 |
| 20 | Gland | 1 | S.S. 13% Cr. | ASTM A182 Gr.F6a / AISI - 410 |
| 21 | Studs | To Suit | Alloy Steel | ASTM A193 Gr.B7 |
| 22 | Nuts | To Suit | H.T.Steel | ASTM A194 Gr.2H |
| 23 | Pin | 2 | S.S. 13% Cr. / M.S. | ASTM A182 Gr.F6a / AISI - 410 / IS:226 |
| 24 | Split Pin | 2 | M.S. | IS:226 |

Dimensions

| Nominal Size (Inches) | Nominal Size (mm) | L ±1.5 | H (Approx.) | W (Approx.) |
|-----------------------|-------------------|--------|-------------|-------------|
| 2 | 50 | 203 | 289 | 175 |
| 2.1/2 | 65 | 215.9 | 345 | 200 |
| 3 | 80 | 241.3 | 354 | 200 |
| 4 | 100 | 292.1 | 398 | 250 |
| 5 | 150 | 406.5 | 500 | 320 |
| 8 | 200 | 495.3 | 539 | 400 |

