CS-21 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-10 Table-'H'
- 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	D.I.	ASTM A536
4	Stem	1	S.S. 13% Cr. Min HB 200	ASTM A182 Gr.F6a / AISI – 410
5	Yoke Bush	1	Aluminium Bronze	–
6	Gland Flange	1	Carbon Steel / Cast Steel	IS:226 / ASTM A182 Gr.F6a
7	Gland Packing	–	Flexible Graphite	–
8	Bonnet	1	Cast Steel	ASTM A216 Gr.WCB
9	Gasket	1	S.S. 304 Spiral Wound with Graphoil Filler	–
10	Back Seat	1	S.S. 13% Cr.	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. Min HB 200	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	T-Bolt	2	M.S.	IS:1367
17	Gland Nuts	2	M.S.	IS:1367
18	Locking Screw	1	M.S.	IS:226

Dimensions

Nominal Size (mm)	A	B	C	E	T	H	W
15	130	114.3	57.2	2	16.0	163	100
20	150	114.3	57.2	2	16.0	166	100
25	160	121	63.5	2	19.0	180	100
32	180	133.3	76.2	2	22.2	195	160
40	200	140	82.2	3	22.2	220	160
50	230	165	101.6	3	25.4	260	175
65	290	184.2	108	3	25.4	280	200
80	310	203.2	127	3	28.6	345	200
100	350	228.6	152.4	3	31.8	350	250
125	400	279.5	177.8	3	35.0	405	250
150	480	304.8	210	3	35.0	460	320
200	600	368.5	260.4	3	38.1	535	400

