

CS-18 Cast Steel Globe Valve Class-300, Flanged

Description

- Neta Cast Steel (ASTMA 216 Gr. WCB) Globe Valve.
- Product Standard: BS 1873 Class-300.
- Bolted Bonnet.
- Outside Screw and Yoke Type.
- 13 % Cr. Stainless Steel (ASTM A182 Gr.F6a/ AISI-410) Trim.
- Flanged Ends to BS: 1560 / ANSI-B 16.5, Class-300 Raised Face Drilled/ Undrilled.

Test Pressure

Body : 76 Bar Gauge Hyd.

Seat : 56 Bar Gauge Hyd.

Backseat : 56 Bar Gauge Hyd.

Design Features

- Streamlined full flow area is provided in the body to minimise pressure drop.
- Renewable 13 % Cr. S.S.(AISI-410) body seat ring and disc have at least 50 HB difference in hardness.
- Bolted self aligning two piece gland.
- Back seating arrangement permits the replacement of gland packing in fully open position while the Valve is under inline pressure.
- Ample depth of stuffing box.
- Sturdy spoked handwheel is provided for operation of the Valve.



Certification

IBR Test Certificate in Form III-C duly signed by the Director of Boilers, Punjab is provided.

Application : Steam, Water, Oil

HSN : 84818010

Materials

PNo.	Part	Nos.	Material	Standard
1	Body	1	Cast Steel	ASTM A216 Gr.WCB
2	Body Seat Ring	1	Cast Steel / F.S.S.	ASTM A216 Gr.WCB + 13: Cr. Weld Deposit / ASTM A182 Gr. F6a
3	Thrust Plate	1	S.S. (AISI - 410)	ASTM A276 Type 410
4	Disc	1	F.S.S. / S.S. (AISI - 410)	ASTM A216 Gr.WCB + 13: Cr. Weld Deposit / ASTM A276 Type 410
5	Disc Nut	1	S.S. (AISI - 410)	ASTM A276 Type 410
6	Stem	1	S.S. (AISI - 410)	ASTM A276 Type 410
7	Back Seat	1	S.S. (AISI - 410)	ASTM A276 Type 410
8	Bush Gasket	1	Spiral Wound S.S. 304	Graphoil Filler with Inner Ring
9	Bonnet	1	Cast Steel	ASTM A216 Gr.WCB
10	Studs & Nuts	To Suit	Alloy Steel / H.T. Steel	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H
11	Gland Packing	1	Pure Graphite Reinforced	with S.S. 304 wire
12	Gland	1	S.S. (AISI - 410)	ASTM A276 Type 410
13	Gland Flange	1	Cast Steel	ASTM A216 Gr.WCB
14	Gland Studs & Nuts	1	Alloy Steel / H.T. Steel	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H
15	Yoke Bush	1	Al. Bronze / S.S. (AISI - 410)	BSEN 1982 Gr. 331G / ASTM A276 Type 410
16	Handwheel	1	Cast Iron	IS:210 Gr. FG200
17	Washer	1	M.S.	IS:226
18	Nuts for Handwheel	1	M.S.	IS:1367



Dimensions

Nominal Size (mm)	A±2	B	C	H (App.)	W (App.)
25	203	124	18	280	160
40	229	155	19.1	310	175
50	267	165	20.7	320	175
65	292	190	23.9	408	200
80	318	210	27	415	200
100	356	255	30.2	430	220
125	400	280	33.4	460	220
150	444	320	35	490	300
200	559	380	39.7	530	300

