

FS-5 Forged Steel Class-800 Globe Valve Reduced Bore

Description

- NETA Forged Steel Class-800 Globe Valve (Reduced Bore) to BS:5352 / API 602
- Bolted Bonnet
- Outside Screw and Yoke Type
- Rising Stem 13% Cr. S.S. (AISI-410) Trim
- Screwed Female (BSPT, NPT, API) or Socket Welded Ends conforming to ASME B 16.11.

Test Pressure

Body : 3000 PSIG Hydrostatic

Seat : 2000 PSIG Hydrostatic, 100 PSIG Air

Backseat : 2000 PSIG Hydrostatic

Design Features

- Streamlined shaped flow way area for smooth flow of the working fluid for minimum pressure drop.
- Bolted Body Bonnet Joint.
- Renewable 13% Cr. S.S. (AISI-410) Body Seat Rings and Wedge having difference in hardness of at least 50 HB.
- S.S (AISI-304) Spiral Wound Asbestos filled Gasket for Body Bonnet Joint.
- Designed for tight shut off and efficient fluid control.
- Ample depth of stuffing box in Globe Valves.
- Bolted self aligning two piece Gland in Globe Valves.
- The provision of back seating arrangement in Globe Valves permit replacement of Gland packing in fully open position while the Valve is under in line pressure.
- Self aligning loose regulating Valve disc on stem in Globe Valves.
- Sturdy spoked hand wheel is provided for operation in Globe Valves.
- Globe Valves have a Tee-head stem connection for maximum dependability. Stems are provided with outside acme threading which do not come in contact with the process fluid & can be Lubricated easily.



Certification

IBR Test Certificate in Form III-C duly signed by the Director of Boilers, Punjab is provided for Valves to be used for steam service. For service other than steam our Works Test Certificate shall be provided.

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.FG - 200
4	Stem	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
5	Yoke Bush	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
6	Bonnet	1	Forged Steel	ASTM A105
7	Gland	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
8	Gland Packing	-	Graphited Asbestos	-
9	Gasket	1	S.S. 18/8% Cr./Ni (AISI - 304) Spiral Wound Asbestos Filled	-
10	Check Nut	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
11	Disc	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410

PNo.	Part	Nos.	Material	Standard
12	Body Seat Ring	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410
13	Body	1	Forged Steel	ASTM A105
14	Studs	4	Alloy Steel	ASTM A193 Gr.B7
15	Nuts	4	H.T. Steel	ASTM A194 Gr.2H
16	Gland Nuts	2	H.T. Steel	ASTM A194 Gr.2H
17	Gland Bolts	2	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI - 410 Min. UTS 392 N/mm
18	Set Screw	2	M.S.	IS:1367
19	Washer	2	M.S.	IS:226
20	Gland Flange	1	Forged carbon Steel	ASTM A105

Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L	H	W	T	ØB	D (Min.)
3/4	20	90	163	78	3/4	27.2 / 27.6	12.7
1	25	102	178	90	1	33.9 / 34.3	12.7
1.1/4	32	120	202	105	1.1/4	41.73 / 42.09	15
1.1/2	40	143	254	150	1.1/2	47.62 / 47.98	15
2	50	165	264	150	2	59.43 / 59.79	16

