FS-4 Forged Steel Gate Valve Reduced Bore

Description



- NETA Forged Steel Class-800 Gate 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 Weld 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 body 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.
- Ample depth of stuffing box in Gate Valves.
- Bolted self aligning two piece Gland in Gate Valves.
- The provision of back seating arrangement in Gate Valves permit replacement of Gland packing in fully open position while the Valve is under in line pressure.
- Designed for tight shut off and efficient fluid control.
- Sturdy spoked hand wheel is provided for operation in Gate Valves.
- Gate 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	Stem	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
2	Yoke Sleeve Retaining Nut	1	M.S.	IS:1367
3	Washer	1	M.S.	IS:226
4	Handwheel	1	C.I.	IS:210 Gr.FG – 200
5	Yoke Sleeve	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410 / ASTM A217 Gr.CA – 15
6	Gland Flange	1	Forged Carbon Steel	ASTM A105
7	Gland	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
8	Gland Packing	–	Graphited Asbestos	–
9	Bonnet	1	Forged Steel	ASTM A105
10	Gasket	1	S.S. 18/8% Cr./Ni (AISI – 304) Spiral Wound Asbestos Filled	–
11	Body Seat Ring	2	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
12	Wedge	1	S.S. 13% Cr.	ASTM A182 Gr.F6a / AISI – 410
13	Body	1	Forged Steel	ASTM A105

PNo.	Part	Nos.	Material	Standard
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

Dimensions

Nominal Size (Inches)	Nominal Size (mm)	L	H	W	T	B	D (Min.)
3/4	20	90	149	86	3/4	27.2 / 27.6	12.7
1	25	102	160	86	1	33.9 / 34.3	12.7
1.1/4	32	120	189	98	1.1/4	41.73 / 42.09	15
1.1/2	40	143	232	150	1.1/2	47.62 / 47.98	15
2	50	165	240	150	2	59.43 / 59.79	16

