

FSV-1B Forged Steel Gate Valve Reduced Bore, Class 800, Socket Welded Ends (IBR Approved)

Product Description

HSN 84818030

Product : 'SANT' Forged Steel Gate Valve
Product Standard : BS 5352 / API 602
Pressure / Class / Rating : Class 800
Type of Pattern : Straight Type
Body Material cum Standard : FCS (A105)
Description : Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem
Type of Seat : Renewable Seat
Type of Disc : Renewable Disc
Trim : SS AISI-410
Gland Packing : Expanded Pure Flexible Graphite
Fastener & Gasket : Alloy Steel (Gr.B7/2H) Spiral Wound SS 304 (CAF/Graphite filled)
End Details : Socket Welded Ends as per ASME B-16.11



Testing & Certification

Body Test Pressure : 207 Bar g (3000 Psig) Hyd.
Seat Test Pressure : 152 Bar g (2200 Psig) Hyd. & 6.9 Bar g (100 Psig) Air
Maximum Working Temperature : 425°C

Test Certificate in Form III-C as per IBR is furnished with every supply

Application

Water	Oil	Steam
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Materials of Construction

Components	Materials	Specifications
Body, Bonnet, Gland Flange	Drop Forged C.Steel	ASTM A105
Body Seat Ring, Wedge, Gland, Stem, Gland Eye Bolts, Yoke Sleeve	Stainless Steel	AISI-410
Gland Packing	Expanded Pure Flexible Graphite	—
Gasket	Spiral Wound SS (AISI-304) Asbestos Filled / Graphite Filled	—
Handwheel	Malleable Iron / D.I.	IS:14329
Studs / Bolts	Alloy Steel	ASTM A193 Gr.B7
Nuts	High Tensile Steel	ASTM A194 Gr.2H
Gland Nuts, Screw, Wheel Nuts & Washer	Mild Steel	—

Dimensions (in mm)

Nominal Size	Nominal Size (Inches)	F	H (Approx)	W (Approx)	A (Min.)	B (Min.)	B (Max.)
10	3/8	73±2	130	86	10	17.6	18
15	1/2	73±2	135	86	10	21.8	22.2
20	3/4	80±2	137	86	13	27.1	27.5
25	1	100±2	162	116	13	33.8	34.2
40	1.1/2	120±2	201	150	13	48.6	49.1
50	2	130±2	223	150	16	61.1	61.6

