

FORGED STEEL

GATE VALVE

SMOOTH PERFORMANCE, TROUBLE FREE SERVICE

DESCRIPTION :

'WJ' Forged Steel Gate Valve to BS-5352-1981/API-602-1985 CI-800 outside screw and Yoke type, bolted bonnet, 13% Cr. SS (AISI-410) trim, solid wedge, screwed female ends to BSPT Threads. Body Tested to 207 Bar Gauge Hyd. Seat and Back Seat Tested to 152 Bar Gauge Hyd. and 6.9. Bar Gauge Air.

These Valves are manufactured in Standard Bore as well as Reduced Bore designs.

SALIENT FEATURES :

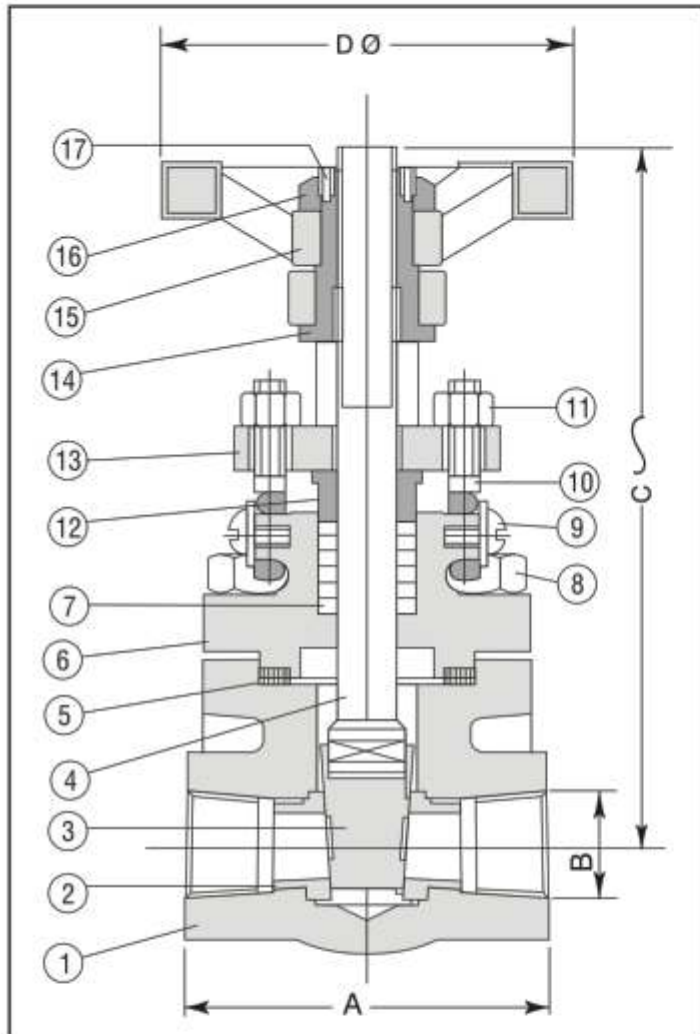
1. Renewable 13% Cr. SS (AISI-410) Body Seat Ring and wedge have atleast 50 HB difference in hardness.
2. Bolted self aligning two piece gland is provided.
3. Back Seat provision is provided to facilitate on line Replacement to gland packing under pressure when valve is fully open.
4. Ample depth of stuffing box is provided.
5. Sturdy hand wheel is provided for easy operation of Valve.

TESTING AND CERTIFICATION :

Each Valve is tested hydraulically at the specified Pressure. These Valves are supplied with IBR Test Certificate in Form III-C issued by The Director of Boilers, Punjab.

NOTE : These Valves can also be supplied with socket weld ends.





| Nominal Size | DIMENSIONS | | | | | | | |
|----------------|---------------|-------------|------|------|-------------|-------------|------|------|
| | STANDARD BORE | | | | REDUCE BORE | | | |
| | A | B | C | D | A | B | C | D |
| 10 mm (3/8") | 80 | 3/8" BSPT | 135 | 80 | ---- | ---- | ---- | ---- |
| 15 mm (1/2") | 86 | 1/2" BSPT | 145 | 80 | 80 | 1/2" BSPT | 135 | 80 |
| 20 mm (3/4") | 100 | 3/4" BSPT | 155 | 100 | 86 | 3/4" BSPT | 145 | 80 |
| 25 mm (1") | 125 | 1" BSPT | 180 | 120 | 100 | 1" BSPT | 155 | 100 |
| 32 mm (1 1/4") | 145 | 1 1/4" BSPT | 225 | 150 | 125 | 1 1/4" BSPT | 180 | 120 |
| 40 mm (1 1/2") | 170 | 1 1/2" BSPT | 245 | 150 | 145 | 1 1/2" BSPT | 225 | 150 |
| 50 mm (2") | ---- | ---- | ---- | ---- | 170 | 2" BSPT | 245 | 150 |

MATERIALS

| PART No. | NAME OF PART | MATERIAL | SPECIFICATION |
|----------|-------------------|---|-------------------------------|
| 1. | Body | F.S. | ASTM A-105 |
| 2. | Body Seat Ring | S.S. | AISI-410 |
| 3. | Wedge | S.S. | AISI-410 |
| 4. | Stem | S.S. | AISI-410 |
| 5. | Gasket | S.S. Type 304 Spiralwound Asbestos Filler | |
| 6. | Bonnet | F.S. | ASTM A-105 |
| 7. | Packing | Graphited Asbestos | ---- |
| 8. | Studs & Nuts | Alloy Steel / H.T. Steel | ASTM A-193-B7 / ASTM A-194 2H |
| 9. | Screw with Washer | M.S. | ---- |
| 10. | Eye Bolts | S.S. | AISI-410 |
| 11. | Nut for Eye Bolts | H.T. Steel | ASTM A -194-2H |
| 12. | Gland | S.S. | AISI-410 |
| 13. | Gland Flange | F.S. | ASTM A-105 |
| 14. | Yoke Sleeve | S.S. | AISI-410 |
| 15. | Hand Wheel | M.I. | ---- |
| 16. | Check Nut | S.S. | AISI-410 |
| 17. | Locking Screw | Steel | ---- |