

## CS-7A Cast Steel Gate Valve Flanged, Class-300 (IBR Approved)

### Product Description

HSN 84818030

Product : 'SANT' Cast Steel Gate Valve  
 Product Standard : BS 1414 / API 600  
 Pressure / Class / Rating : Class 300  
 Body Material cum Standard : CCS (ASTM A216 Gr.WCB)  
 Description : Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem  
 Type of Seat : Renewable seat  
 Type of Disc : Renewable disc  
 Trim : Stem SS AISI-410  
 Yoke Sleeve : Aluminum Bronze  
 Gland Packing : Expanded Pure Flexible Graphite  
 End Details : Flanges as per ANSI B 16.5 Class 300 R.F. Undrilled



### Testing & Certification

Body Test Pressure : 76 Bar g (1110 Psig) Hyd.  
 Seat Test Pressure : 56 Bar g (815 Psig) Hyd. & 6.9 Bar g (100 Psig) Air  
 Tested as per API 598 / ANSI B16.34 / BS : 6755 Part 1  
 Maximum Working Temperature: 425°C

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

### Application

|       |     |       |
|-------|-----|-------|
| Water | Oil | Steam |
|-------|-----|-------|

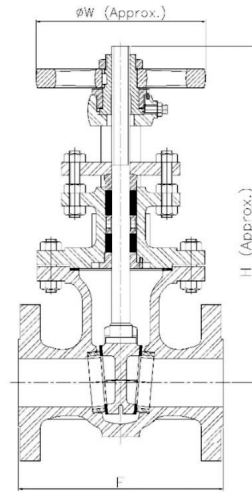
### Materials of Construction

| Components   | Materials                              | Specifications              |
|--|--|-----------------------------|
| Body, Bonnet, Yoke, Gland Flange   | Cast Carbon Steel                      | ASTM A216 Gr.WCB            |
| Wedge (for 2" or less)   | Stainless Steel                        | AISI-410 / CA15             |
| Wedge (above 2")   | Cast Carbon Steel with SS Weld Deposit | ASTM A216 Gr.WCB / AISI-410 |
| Gasket   | Spiral Wound S.S.                      | AISI-304                    |
| Gland Packing  | Expanded Pure Flexible Graphite        | —                           |
| Handwheel  | S.G. Iron                              | —                           |
| Body Rings, Gland Yoke Follower, Sleeve Nut, Stem, Backseat Bush, Locking Screws | Stainless Steel                        | AISI-410                    |
| Gland Bolting  | Carbon Steel                           | —                           |
| Bolts  | Alloy Steel                            | ASTM A193 Gr.B7             |
| Nuts   | HT Steel                               | ASTM A194 Gr.2H             |
| Yoke Sleeve  | Al Bronze                              | —                           |

### Dimensions (in mm)

| Nominal Size | Nominal Size (Inches) | F±2 | H (Approx.) | ØW (Approx.) |
|--------------|-----------------------|-----|-------------|--------------|
| 40           | 1.1/2                 | 191 | 340         | 178          |
| 50           | 2                     | 216 | 355         | 178          |
| 65           | 2.1/2                 | 241 | 390         | 210          |
| 80           | 3                     | 283 | 435         | 254          |
| 100          | 4                     | 305 | 520         | 254          |
| 125          | 5                     | 381 | 605         | 305          |
| 150          | 6                     | 403 | 710         | 400          |
| 200          | 8                     | 419 | 855         | 450          |
| 250          | 10                    | 457 | 1020        | 450          |

| Nominal Size | Nominal Size (Inches) | F±2 | H (Approx.) | ØW (Approx.) |
|--------------|-----------------------|-----|-------------|--------------|
| 300          | 12                    | 502 | 1215        | 500          |



Notes

1. Product images are for illustration purposes only. Actual product may vary.
2. Actual dimensions may change over time, due to continual design improvements. Please confirm before placing order.