

Cast Steel Gate Valve – ANSI 300

Flanged to ANSI 300RF, Design to API600,
O S & Y, Bolted Bonnet, A216 Gr WCB, Trim
13% CR + HFS.

Class 300 Rated
Temperature -29°C to 425°C

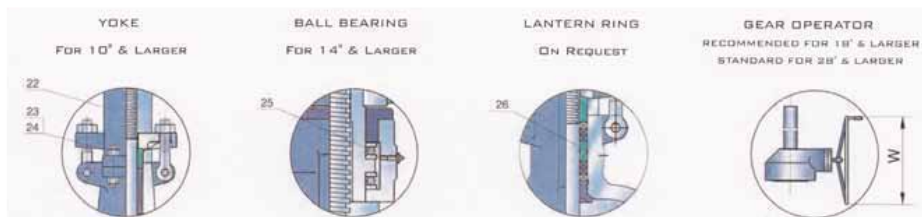
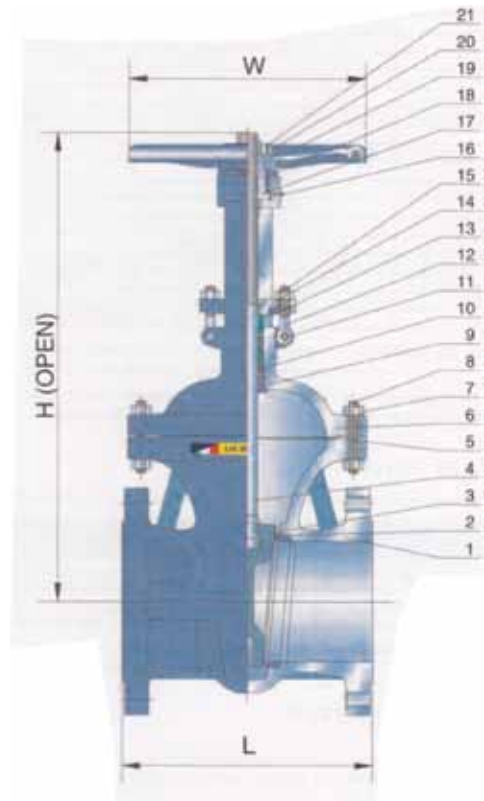


Technical Requirements:

1. Design & manufacture to: API 600/BS EN ISO 10434:2004
2. Press/Temp to ANSI B16.34
3. Face to face to ANSI B16.10
4. Flange Dimensions to ASME B16.5
5. Test & inspection to API 598/ISO 5208
6. NACE MR-01-75 (Latest Revision)
7. Conform to Pressure Equipment Directive 97/23/EC

Material List

| No. | Parts | Materials |
|-----|--------------------|---|
| 1 | Body | ASTM A216 Gr WCB |
| 2 | Seat Rings | Stellite Gr 6 Faced |
| 3 | Wedge | ASTM A216 Gr WCB + 13 Cr Faced |
| 4 | Stem | ASTM A182 F6a |
| 5 | Gasket | Stainless Steel + Graphite |
| 6 | Bonnet | ASTM A216 Gr WCB |
| 7 | Bonnet Bolt Nuts | ASTM A194 Gr 2H(M) |
| 8 | Bonnet Bolts | ASTM A193 Gr B7(M) |
| 9 | Backseat Bushing | ASTM A276 Type 410 |
| 10 | Stem Packing | Braided Graphite & Die Formed Graphite Ring |
| 11 | Eye Bolt Pins | Carbon Steel |
| 12 | Gland Eye Bolt | ASTM A193 Gr B7(M) |
| 13 | Gland | ASTM A276 Type 410 |
| 14 | Gland Flange | ASTM A216 Gr WCB |
| 15 | Eye Bolt Nuts | ASTM A194 Gr 2H(M) |
| 16 | Grease Nipples | Carbon Steel |
| 17 | Stem Nut | ASTM A439 Gr D-2 / ASTM B148 9A |
| 18 | Retaining Nut | Carbon Steel |
| 19 | Handwheel | Steel |
| 20 | Handwheel Nut | Carbon Steel |
| 21 | Screw | Carbon Steel |
| 22 | Yoke | ASTM A216 Gr WCB |
| 23 | Yoke Pan Bolt Nuts | ASTM A194 Gr 2H(M) |
| 24 | Yoke Pan Bolts | ASTM A193 Gr B7(M) |
| 25 | Bearing | Steel |
| 26 | Lantern Ring | ASTM A276 Type 410 |



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Carbon Steel Gate Valve – ANSI 300

Dimensions

| Size | L | H (Open) | W | Kg |
|--------|------|-------------|-----|------|
| 2" | 216 | 430 | 200 | 30 |
| 2½" | 241 | 505 | 250 | 45 |
| 3" | 283 | 530 | 250 | 50 |
| 4" | 305 | 630 | 250 | 75 |
| 6" | 403 | 800 | 350 | 140 |
| 8" | 419 | 1010 | 400 | 215 |
| 10"*** | 457 | 1240 | 450 | 350 |
| 12"*** | 502 | 1470 | 500 | 565 |
| 14"*** | 762 | 1645 | 600 | 715 |
| 16"*** | 838 | 1841 | 700 | 1050 |
| 18"*** | 914 | 1950 | 700 | 1235 |
| 20"*** | 991 | 2200 | 800 | 1655 |
| 24"*** | 1143 | 2600 | 600 | 2320 |

