



# 150# CS OS&Y FLANGED GATE VALVE

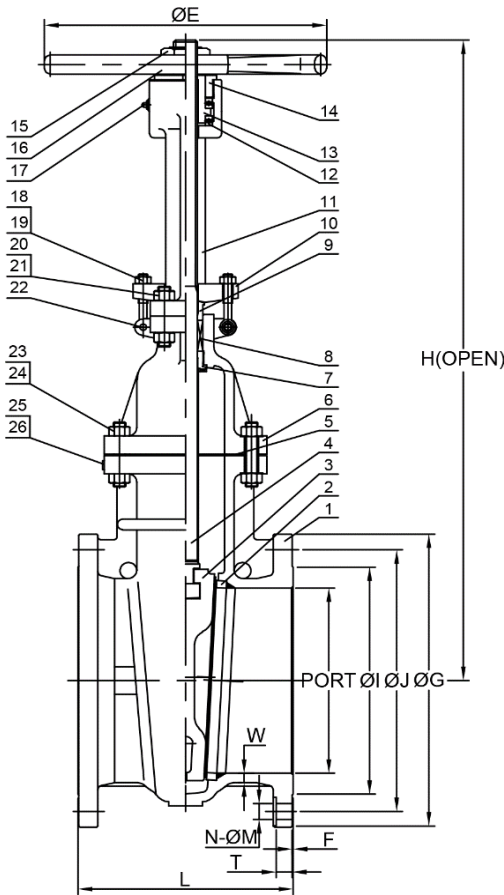
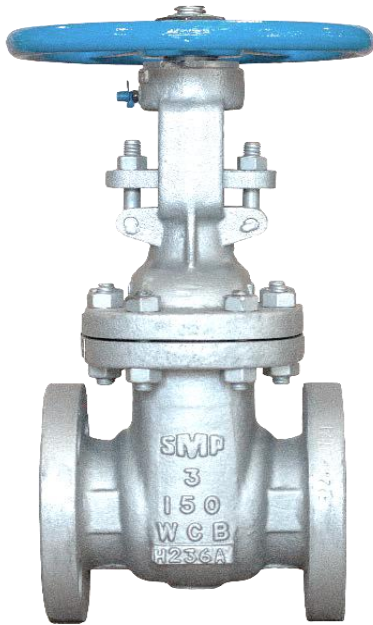
# SM150GVO

## FEATURES

- Class 150
- Flanged Ends
- OS&Y
- Rising Stem
- Bolted Bonnet
- Flexible Wedge
- Full Port
- API Trim 8
- Maximum Pressure 285 PSI
- Temperature Range: -20 to 797

## APPLICABLE STANDARDS

- Design API 600
- Face to Face Dimension Conforms to ANSI B16.10
- Raised Face Flanged Ends Conforms to ANSI
- Tested According to API 598
- Nace MR0175



## Materials of Construction

| Item | Part             | ASTM                       |
|------|------------------|----------------------------|
| 1    | Body             | A216 WCB                   |
| 2    | Seat Ring        | A105+CoCr-A                |
| 3    | Wedge            | A216 Gr. WCB+410           |
| 4    | Stem             | A182 F6a                   |
| 5    | Gasket           | 316SS+Graphite JA          |
| 6    | Bonnet           | A216 WCB                   |
| 7    | Backseat Bushing | A276 Gr. 410               |
| 8    | Packing          | API 622 Graphite ( Low E ) |
| 9    | Packing Gland    | A276 Gr. 410               |
| 10   | Gland Flange     | A216 Gr. WCB               |
| 11   | Yoke             | A216 Gr. WCB               |
| 12   | Bearing          | A295 Gr. 52100             |
| 13   | Stem Nut         | A439 Gr. D-2               |
| 14   | Gland Nut        | A29 Gr. 1035               |
| 15   | Handwheel Nut    | A29 Gr. 1035               |
| 16   | Handwheel        | A536 Gr. 65-45-12          |
| 17   | Grease Injector  | A570 Gr. A                 |
| 18   | Packing Bolt     | A193 Gr. B7M               |
| 19   | Packing Nut      | A194 Gr. 2HM               |
| 20   | Bonnet/Yoke Bolt | A193 Gr. B7M               |
| 21   | Bonnet/Yoke Nut  | A194 Gr. 2HM               |
| 22   | Packing Bolt Pin | A29 Gr. 1020               |
| 23   | Body/Bonnet Bolt | A193 Gr. B7M               |
| 24   | Body/Bonnet Nut  | A194 Gr. 2HM               |
| 25   | Rivet            | AISI 304                   |
| 26   | Nameplate        | AISI 304                   |

## Dimensions (Inches)

| Size | L     | ØI    | ØJ    | ØG    | T    | N-ØM      | F    | ØE    | H     | Weight (lbs) |
|------|-------|-------|-------|-------|------|-----------|------|-------|-------|--------------|
| 14"  | 15.00 | 16.25 | 18.75 | 21.00 | 1.38 | 12-Ø1.125 | 0.06 | 19.69 | 60.00 | 839.10       |
| 16"  | 16.00 | 18.50 | 21.25 | 23.50 | 1.44 | 16-Ø1.125 | 0.06 | 22.05 | 76.77 | 1,134.60     |
| 18"  | 17.00 | 21.00 | 22.75 | 25.00 | 1.56 | 16-Ø1.250 | 0.06 | 25.20 | 78.90 | 1,427.60     |
| 20"  | 18.00 | 23.00 | 25.00 | 27.50 | 1.69 | 20-Ø1.250 | 0.06 | 25.20 | 83.46 | 1,741.90     |
| 24"  | 20.00 | 27.25 | 29.50 | 32.00 | 1.88 | 20-Ø1.375 | 0.06 | 28.35 | 97.64 | 2,492.70     |

The information presented on this sheet is correct at the time of publication. Service Metal reserves the right to change, and/or material specifications without notice.