

FIGURE 317

Stainless Steel Globe Valves

Class 150 • OS&Y • Plug Type Disc

Figure 317

Raised Face, Flanged Ends

Size Range:

½ through 12 inches

Design Features:

- Bolted Bonnet
- Rising Stem
- Retained Gasket
- Integral Seat
- Disc Guide Below Seat
- MSS SP-42
- ASME B16.34

Dimensions and Weights

| Valve Size | Weight (lbs) | Dimensions (inches) | | |
|------------|--------------|---------------------|----------|------|
| | | A | B (open) | C |
| ½ | 7.6 | 4.25 | 7.1 | 3.9 |
| ¾ | 8.9 | 4.63 | 7.3 | 3.9 |
| 1 | 11.6 | 5.00 | 7.9 | 3.9 |
| 1 ½ | 16.4 | 6.50 | 9.2 | 5.5 |
| 2 | 25.2 | 8.00 | 10.2 | 6.3 |
| 2 ½ | 46.3 | 8.50 | 11.1 | 7.9 |
| 3 | 61.7 | 9.50 | 13.5 | 8.8 |
| 4 | 97.0 | 11.50 | 14.8 | 11.0 |
| 6 | 198.5 | 16.00 | 16.9 | 14.0 |
| 8 | 383.7 | 19.50 | 22.0 | 14.0 |
| 10 | 546.8 | 24.50 | 29.7 | 15.7 |
| 12 | 848.9 | 27.50 | 32.5 | 15.7 |

Industry Standards

| | |
|------------------------|-------------|
| End Flanges | ASME B16.5 |
| Wall Section | ASME B16.34 |
| Face-to-Face | ASME B16.10 |
| Pressure-Temp. Ratings | ASME B16.34 |
| Testing | API 598 |

Materials of Construction

| | | |
|----|-----------------|-----------------|
| 1 | Body | ASTM A351 CF8M |
| 2 | Bonnet | ASTM A351 CF8M |
| 3 | Disc | ASTM A351 CF8M |
| 4 | Stem | ASTM A276 T316 |
| 5 | Disc Nut | ASTM A276 T316 |
| 6 | Handwheel | ASTM A536 |
| 7 | Gasket | PTFE |
| 8 | Gland Flange | ASTM A351 CF8 |
| 9 | Gland | ASTM A276 T304 |
| 10 | Packing | PTFE |
| 11 | Stem Nut | ASTM A536 |
| 12 | Handwheel Nut | ASTM A194 GR 8 |
| 13 | Bonnet Bolt Nut | ASTM A194 GR 8 |
| 14 | Bonnet Bolt | ASTM A193 GR B8 |
| 15 | Eyebolt Pin | ASTM A276 T304 |
| 16 | Eyebolt | ASTM A193 GR 8 |
| 17 | Eyebolt Nut | ASTM A194 GR 8 |
| 18 | ID Tag | Aluminum |
| 19 | Washer | ASTM A276 T304 |

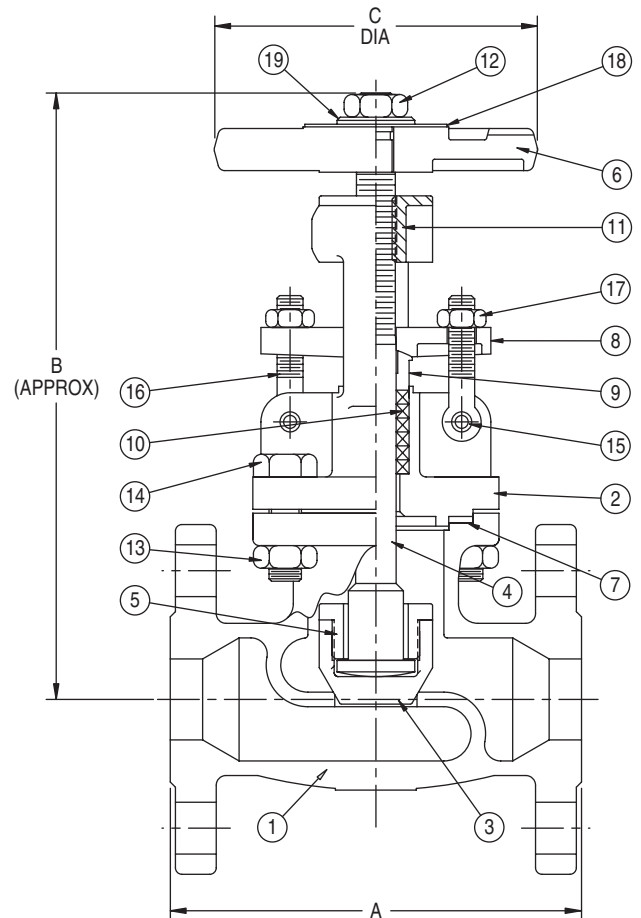


Fig. 317