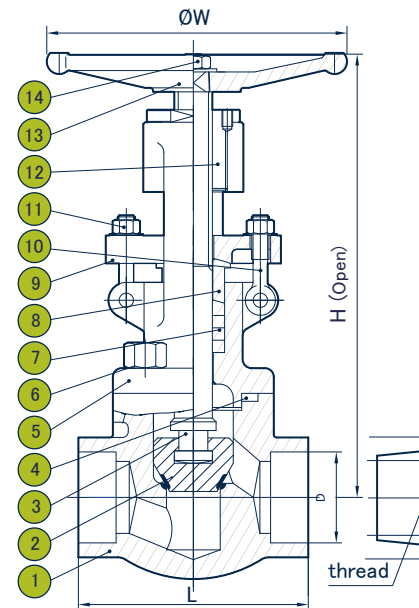


# Forged Steel Globe Valves, Threaded & Socket-welding End, **CLASS 800**

## Features

- Meets API 602 required wall thickness / ASME B16.34
- Spiral wound gasket with SS304 / graphite or SS316 / graphite
- Loose disc
- Outside screw & yoke (OS&Y)
- Two-piece self-aligning gland
- Compact and sturdy designs for high pressure-temperature service
- Replacement of handwheel without affecting the position of the disc

**Class 800 (PN 130)**  
Full Port/Standard Port  
ASME CLASS 800: 1975 psi@100°F  
(136.2 bar@38°C)



| Component and Common Materials |               |                     |                  |                |
|--------------------------------|---------------|---------------------|------------------|----------------|
| NO.                            | PARTS NAME    | MATERIALS           |                  |                |
| 1                              | Body          | A 105               | A 182-F304       | A 182-F316     |
| 2                              | Disc Ring     | 13Cr                | A 182-F304+STL   | A 182-F316+STL |
| 3                              | Stem          | A 276-410           | A 182-F304       | A 182-F316     |
| 4                              | Gasket        | SS304 & Graphite    | SS316 & Graphite |                |
| 5                              | Bonnet        | A 105               | A 182-F304       | A 182-F316     |
| 6                              | Bonnet Bolt   | A 193-B7            |                  | A 193-B8       |
| 7                              | Stem Packing  | Reinforced Graphite |                  |                |
| 8                              | Gland         | A 276-410           | A 182-F304       | A 182-F316     |
| 9                              | Gland Flange  | A 216-WCB           | A 105            | A 182-F304     |
| 10                             | Gland Eyebolt | A 193-B7            |                  | A 193-B8       |
| 11                             | Gland Nut     | A 194-2H            |                  | A 193-B8       |
| 12                             | Stem Nut      | A 108-1020          |                  | A 276-410      |
| 13                             | HandWheel     | A 197               |                  |                |
| 14                             | H.W.Lock Nut  | A 194-2H            |                  | A 193-B8       |

## Selection

Connection:  
Threaded End/Socket-welding End

Thread Type:  
NPT/BSPT/DIN

OS&Y Type:  
Bolted Bonnet/Welded Bonnet

Material of the Body/Bonnet:  
A105/F316/F316L/F304/F304L/F11/F22

| Nominal diameter | Standard Port | mm(in) | 8(1/4)    | 10(3/8)   | 15(1/2)   | 20(3/4)   | 25(1)     | 32(11/4)  | 40(11/2)   | 50(2)      |            |
|------------------|---------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
|                  | Full port     | mm(in) | -         | -         | 10(3/8)   | 15(1/2)   | 20(3/4)   | 25(1)     | 32(11/4)   | 40(11/2)   | 50(2)      |
| D                |               | mm     | 8(0.31)   | 10(0.39)  | 10(0.39)  | 13(0.51)  | 18(0.71)  | 23(0.91)  | 28.5(1.12) | 33(1.30)   | 43(1.69)   |
| L                |               | mm     | 79(3.11)  | 79(3.11)  | 79(3.11)  | 92(3.62)  | 111(4.37) | 120(4.72) | 152(5.98)  | 172(6.77)  | 220(8.66)  |
| H (Open)         |               | mm     | 166(6.54) | 166(6.54) | 166(6.54) | 175(6.89) | 206(8.11) | 228(8.98) | 262(10.31) | 300(11.81) | 340(13.39) |
| W                |               | mm     | 100(3.94) | 100(3.94) | 100(3.94) | 100(3.94) | 125(4.92) | 160(6.30) | 160(6.30)  | 180(7.09)  | 240(9.45)  |
| Weight           | B.B           | kg     | 2.6       | 2.5       | 2.4       | 2.6       | 4.5       | 5.9       | 8.3        | 12.4       | 20         |
|                  | W.B           | kg     | -         | -         | 2.5       | 2.7       | 4.7       | 6.1       | 8.5        | 12.6       | 20.4       |