

GLOBE VALVES

Welded End Forged Steel Globe Valves



Forged Steel Socket Weld Globe Valve 800 PSI A105

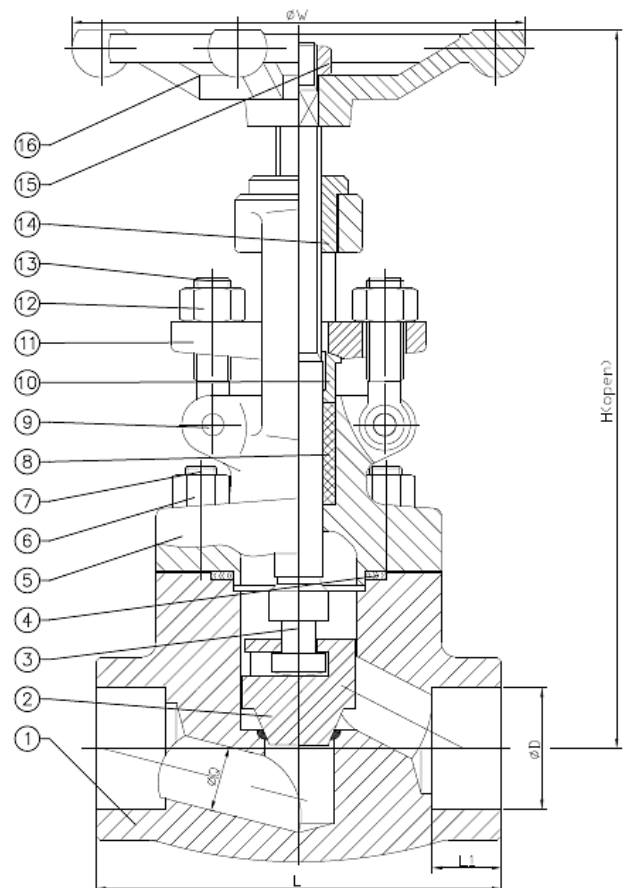
Features

- Connection End: Socket Weld
- Size: 1/2" – 2" (DN15 – DN50)
- Valve Body Material: A105
- Working Pressure: 800 PSI
- Applicable Medium: General oil, gas and water applications
- Temperature Range: -29°C to 425°C



Material List

| No. | Part Name | Material |
|-----|--------------|------------------|
| 1 | Body + Seat | ASTM A105 + STL |
| 2 | Disc | ASTM A276 420 |
| 3 | Stem | ASTM A182 F6A |
| 4 | Gasket | SS304 + Graphite |
| 5 | Bonnet | ASTM A105 |
| 6 | Bonnet Nut | ASTM A194 2H |
| 7 | Bonnet Bolt | ASTM A193 B7 |
| 8 | Packing | Graphite |
| 9 | Pin | ASTM A307-A |
| 10 | Gland | ASTM A276 410 |
| 11 | Gland Flange | ASTM A105 |
| 12 | Gland Nut | ASTM A194 2H |
| 13 | Gland Bolt | ASTM A193 B7 |
| 14 | Yoke Sleeve | ASTM A276 410 |
| 15 | Lock But | Carbon Steel |
| 16 | Handwheel | ASTM A197 |



Technical Specifications

1. Basic design and manufacture according to API602/BS5352
2. Inspection and test for according to API 598
3. Socket weld dimension standard according to ASME B16.11

| Main Technical Parameter | | | |
|---|------------|----------------|-----|
| Nominal Pressure | | 800 PSI | |
| Test Pressure | Shell Test | 19.5 | MPa |
| | Seal Test | 14.3 | |
| | Gas Test | 0.6 | |
| Max Working Temperature | | -29°C to 425°C | |
| Applicable Medium: General oil, gas & water | | | |

Ordering Information

VL - FS - GL - SW - 800 - 08
 I II III IV V VI

I Type of Item

VL Low Pressure Valves

II Material Grade

| | | | |
|----|--------------|----|------------|
| S | SS316, CF8M | CI | Cast Iron |
| FS | Forged Steel | CS | Cast Steel |
| B | Brass | | |

III Item

| | | | |
|----|----------------------|-----|-------------------------------|
| GA | Gate Valve | B1 | 1 PC Ball Valve |
| GL | Globe Valve | B2 | 2 PC Ball Valve |
| YS | Y-Strainer | B3 | 3 PC Ball Valve |
| SC | Swing Check Valve | BL | 3 Way Ball Valve L Port |
| VC | Vertical Check Valve | BT | 3 Way Ball Valve T Port |
| WC | Wafer Check Valve | BMF | Male x Female Mini Ball Valve |
| DD | Dual Disk | BU | Butterfly Valve |

IV Connection Type

| | | | |
|----|-------|---|------------|
| SW | S/W | G | BSPP |
| BW | B/W | N | NPT |
| R | BSPT | F | Flange End |
| W | Wafer | L | Lug |

V Pressure

| | | | |
|------|----------|------|---------------------------|
| 200 | 200 PSI | 2000 | 2000 PSI |
| 300 | 300 PSI | 150 | ANSI 150# Flange Standard |
| 600 | 600 PSI | 10K | JIS 10K Flange Standard |
| 800 | 800 PSI | PN16 | PN 16 Flange Standard |
| 1000 | 1000 PSI | | |

For Inch OD & Inch NB Sizes
VI Size

| | | | | | | | | |
|------|--------|--------|-------|--------|------|------|------|----|
| Size | 1/8" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 1" |
| Code | 02 | 04 | 05 | 06 | 08 | 10 | 12 | 16 |
| Size | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" |
| Code | 20 | 24 | 32 | 40 | 48 | 64 | 80 | 96 |

VII Coating

(None) No Additional Coating
 NI Nickel Plating

Dimension List

| NPS | ØQ | ØD | H | W | L | L1 | Weight (Kg) |
|--------|----|------|-----|-----|-----|------|-------------|
| 1/2" | 10 | 21.8 | 160 | 100 | 79 | 9.6 | 2.30 |
| 3/4" | 13 | 27.1 | 160 | 100 | 92 | 12.7 | 2.46 |
| 1" | 18 | 33.8 | 200 | 125 | 111 | 12.7 | 4.10 |
| 1 1/4" | 23 | 42.6 | 215 | 160 | 120 | 12.7 | 5.76 |
| 1 1/2" | 30 | 48.7 | 240 | 160 | 152 | 12.7 | 8.06 |
| 2" | 37 | 61.2 | 275 | 180 | 172 | 12.7 | 12.23 |

Part Number Reference

| Part No | Description |
|--------------------|--|
| VL-FS-GL-SW-800-08 | 1/2" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC |
| VL-FS-GL-SW-800-12 | 3/4" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC |
| VL-FS-GL-SW-800-16 | 1" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC |
| VL-FS-GL-SW-800-20 | 1 1/4" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC |
| VL-FS-GL-SW-800-24 | 1 1/2" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC |
| VL-FS-GL-SW-800-32 | 2" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC |

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