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WEBSITE:

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Socket Weld 800 PSI

Forged Steel GATE VALVES



Features

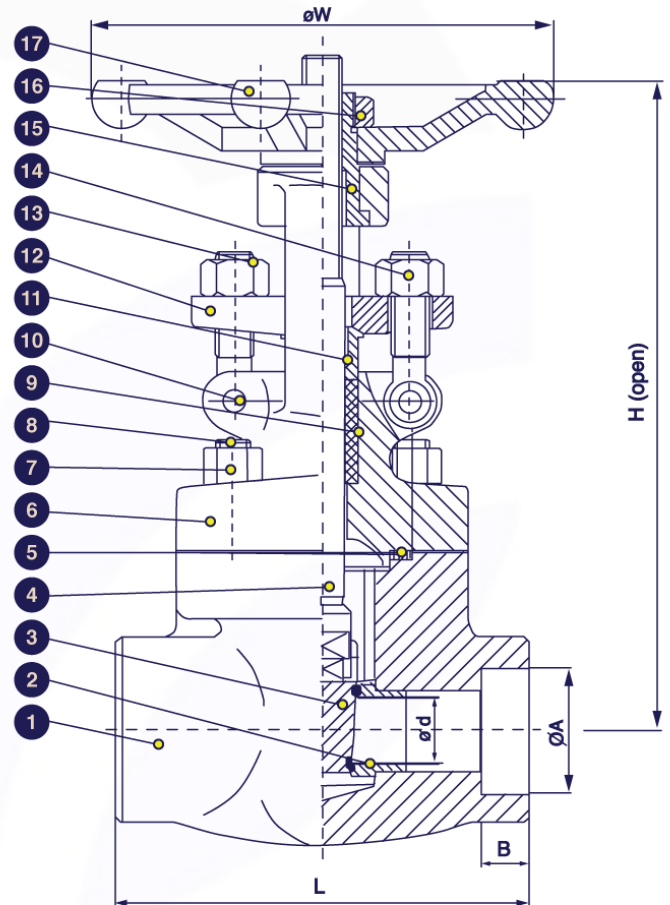
- Connection End: Socket Weld
- Size: 1/2" – 2" (DN15 – DN50)
- Valve Body Material: A105
- Working Pressure: 800 PSI
- Applicable Medium: General oil, gas and water applications
- Temperature Range: -29°C to 425°C



Socket Weld A105
Gate Valves 800 PSI

Material List

| No. | Part Name | Material |
|-----|--------------|---------------------|
| 1 | Body | ASTM A105 |
| 2 | Seat | ASTM A276 410 + STL |
| 3 | Wedge | ASTM A276 420 |
| 4 | Stem | ASTM A182 F6A |
| 5 | Gasket | SS304 + Graphite |
| 6 | Bonnet | ASTM A105 |
| 7 | Bonnet Nut | ASTM A194 2H |
| 8 | Bonnet Bolt | ASTM A193 B7 |
| 9 | Packing | Graphite |
| 10 | Pin | ASTM A307-A |
| 11 | Gland | ASTM A246 410 |
| 12 | Gland Flange | ASTM A105 |
| 13 | Gland Bolt | ASTM A193 B7 |
| 14 | Gland Nut | ASTM A194 2H |
| 15 | Yoke Sleeve | ASTM A276 410 |
| 16 | Lock Nut | Carbon Steel |
| 17 | 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 welded dimension standard according to ASME

| Main Technical Parameter | | | |
|---|------------|----------------|-----|
| Nominal Pressure | | 800 PSI | |
| Test Pressure | Shell Test | 21.0 | MPa |
| | Seal Test | 15.4 | |
| | Gas Test | 0.6 | |
| Max Working Temperature | | -29°C to 425°C | |
| Applicable Medium: General oil, gas & water | | | |

Ordering Information

| | | | | | | | | | | |
|----|---|----|---|-----|---|----|---|-----|---|----|
| VL | - | FS | - | GA | - | 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 | Ød | ØA | H | W | L | B | Weight (Kg) |
|--------|------|------|-----|-----|-----|------|-------------|
| 1/2" | 10.3 | 21.8 | 145 | 100 | 79 | 9.6 | 1.89 |
| 3/4" | 13.5 | 27.1 | 145 | 100 | 92 | 12.7 | 2.42 |
| 1" | 18 | 33.8 | 170 | 125 | 111 | 12.7 | 4.00 |
| 1 1/4" | 23 | 42.6 | 190 | 160 | 120 | 12.7 | 5.54 |
| 1 1/2" | 29 | 48.7 | 215 | 160 | 120 | 12.7 | 6.78 |
| 2" | 36 | 61.2 | 240 | 180 | 140 | 12.7 | 10.35 |

Part Number Reference

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



Socket Weld 800 PSI Forged Steel Gate Valves



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