



LUNKENHEIMER®

LVC Forged Steel Gate Valves (Class 800) are available in bolted or welded bonnet designs with bolted bonnet valves having spiral wound gaskets made of Stainless Steel/Graphite



Bolted Bonnet Gate Valve

Gate Valve Design and Specifications:

LVC Forged Steel Gate Valves conform to API 602, BS5352 and ASME B16.34. Each valve is inspected and tested in accordance with API 598 and marked per MSS SP25.

Construction:

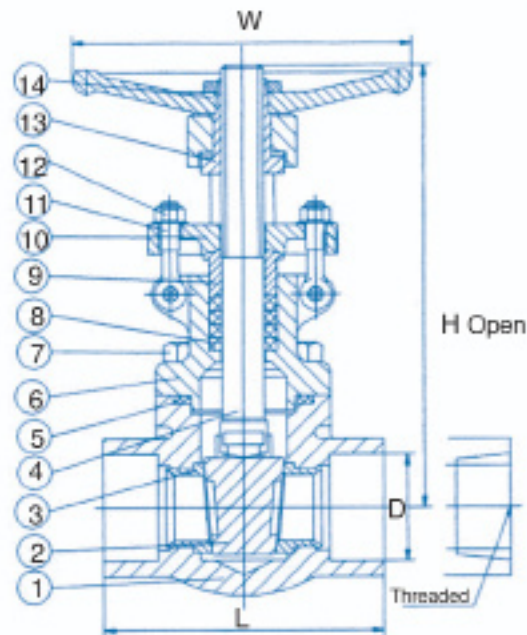
- Stem seal consists of flexible graphite packing with anti-extrusion rings for optimum sealing
- Two piece self-aligning packing gland
- Impactor handwheels or chain wheels are available as an option
- Conventional port or full port
- Socket weld ends to ASME B16.11
- Threaded ends to ANSI/ASME B.1.20.1
- Handwheel is rugged with knobs to provide positive grip
- Full range of actuators and accessories to meet automation requirements
- Available in carbon, stainless steel and other materials

LUNKENHEIMER

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Engineering Data

Forged Steel Gate Valves - Class 800



| Size | | Port Dimension | | D (Socket) | | L | W | Wt (lbs) | |
|---------|--------|----------------|------|------------|------|------|------|----------|-------|
| Regular | Full | Reduce | Full | Regular | Full | | | Reduce | Full |
| 1/4" | – | 0.25 | – | 0.55 | – | 3.11 | 3.94 | – | – |
| 3/8" | 1/4" | 0.25 | 0.25 | 0.69 | 0.55 | 3.11 | 3.94 | 4.9 | 4.9 |
| 1/2" | 3/8" | 0.38 | 0.38 | 0.86 | 0.69 | 3.11 | 3.94 | 4.9 | 4.9 |
| 3/4" | 1/2" | 0.50 | 0.50 | 1.07 | 0.86 | 3.62 | 3.94 | 4.9 | 4.9 |
| 1" | 3/4" | 0.75 | 0.75 | 1.33 | 1.07 | 4.37 | 4.92 | 9.5 | 10.4 |
| 1-1/4" | 1" | 1.00 | 1.00 | 1.68 | 1.33 | 4.72 | 6.30 | 13.0 | 13.0 |
| 1-1/2" | 1-1/4" | 1.25 | 1.25 | 1.92 | 1.68 | 4.72 | 6.30 | 15.0 | 15.2 |
| 2" | 1-1/2" | 1.50 | 1.50 | 2.41 | 1.92 | 5.51 | 7.08 | 24.0 | 24.00 |
| – | 2" | – | 2.00 | – | 2.41 | 7.00 | 7.87 | – | 43.00 |

| No. | Part Name | Materials | | |
|-----|---------------|--------------------------|--------------|---------------|
| 1 | Body | ASTM A105 | A182 F304 | A182 F316 |
| 2 | Wedge | F6 | A182 F304 | A182 F316 |
| 3 | Seat Ring | 13CR (Stellite optional) | A182 F304 | A182 F316 |
| 4 | Stem | F6 | A182 F304 | A182 F316 |
| 5 | Gasket | Graphite + 304 | | Graphite +316 |
| 6 | Bonnet | ASTM A105 | A182 F304 | A182 F316 |
| 7 | Bonnet Bolt | ASTM A193 B7 | | |
| 8 | Stem Packing | Reinforced Graphite | | |
| 9 | Gland | ASTM A276 410 | A182 F304 | A182 F316 |
| 10 | Gland Flange | ASTM A216 WCB | A182 F304 | A182 F316 |
| 11 | Gland Eyebolt | ASTM A193 B7 | ASTM A193 B8 | |
| 12 | Gland Nut | ASTM A194 2H | ASTM A194 B8 | |
| 13 | Stem Nut | ASTM A276 410 | ZcuA110Fe3 | |
| 14 | Handwheel | ASTM A197 | | |

We reserve the right to make revisions to literature without notice