

# Шаровые вентили GL2

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

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Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
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Россия (495)268-04-70

Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
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Казахстан (7172)727-132

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Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
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Тверь (4822)63-31-35  
Томск (3822)98-41-53  
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Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
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Ярославль (4852)69-52-93

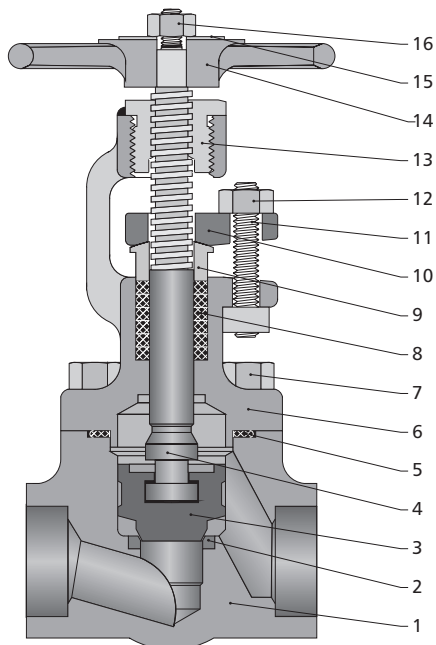
## Features

- ❖ Three Bonnet designs: Bolted Bonnet, Outside Screw and Yoke (OS & Y)  
Stronger, leakproof body-bonnet joint fully encased spiral wound gasket
- ❖ The top- and bottom-guided disc assures perfect seat and disc alignment in spite of side thrust caused by high velocity flow. This prevents stem from scoring and galling and provides longer disc seal and body life.
- ❖ Large clearance between stem and disc allows disc to move freely.
- ❖ Precision stem and packing chambers, Packing rings individually pre-stressed for tight seal
- ❖ Two-piece self-aligning gland.

## Specifications

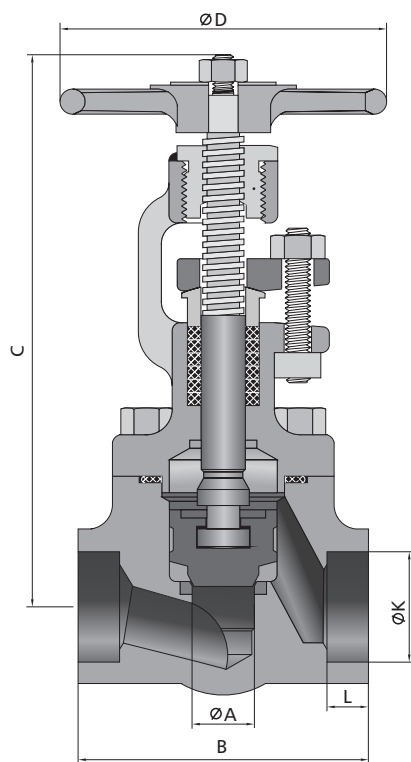
- ❖ Design: ANSI B16.34, API602
- ❖ Testing: ANSI B16.34, API598
- ❖ Marking: MSS-SP-25
- ❖ Socket weld ends: ASME B16.11
- ❖ Butt weld ends: ASME B16.25
- ❖ Threaded ends: ASME 1.20.1

## Standard Materials of Construction



| Item | Part          | Valve Body Materials     |          |          |          |                    |
|------|---------------|--------------------------|----------|----------|----------|--------------------|
| 1    | Body          | A105                     | F11/A182 | F22/A182 | F91/A182 | 316 S.S./A182      |
| 2    | Seat          | 410 S.S./A276            |          |          |          | 316 S.S./A182      |
| 3    | Disc          | 410 S.S./A276            |          |          |          | 316 S.S./A276      |
| 4    | Stem          | 410 S.S./A276            |          |          |          | 316 S.S./A276      |
| 5    | Gasket        | 304 S.S. + Graphite      |          |          |          | 316S.S. + Graphite |
| 6    | Bonnet        | A105N                    | F11/A182 | F22/A182 | F91/A182 | 316 S.S./A182      |
| 7    | Bolt          | B7                       |          |          |          | B8M2               |
| 8    | Packing       | Graphite                 |          |          |          |                    |
| 9    | Gland         | 410 SS/A276              |          |          |          | 316 S.S./A276      |
| 10   | Gland Flange  | A105                     |          |          |          | 304 S.S./A182      |
| 11   | Gland Bolt    | B7                       |          |          |          | B8M                |
| 12   | Hex Nut       | 2H                       |          |          |          | 8M                 |
| 13   | Stem Nut      | 410 S.S.                 |          |          |          |                    |
| 14   | Handwheel     | Malleable iron (painted) |          |          |          |                    |
| 15   | Name Plate    | Aluminum                 |          |          |          |                    |
| 16   | Handwheel Nut | Steel                    |          |          |          |                    |

## Bolted Bonnet



Threaded or weld  
ASME Class 800  
ASME Class 1500

## Bolted Bonnet Globe Dimensions and Weights

| Size<br>NPS<br>DN | ØA <sup>in</sup> mm |            | B <sup>in</sup> mm |             | C <sup>in</sup> mm    |             | ØD <sup>in</sup> mm |             | ØK <sup>in</sup> mm    | L <sup>in</sup> mm      | Weight<br>lb<br>kg |               |
|-------------------|---------------------|------------|--------------------|-------------|-----------------------|-------------|---------------------|-------------|------------------------|-------------------------|--------------------|---------------|
|                   | Port                |            | End to End         |             | Center to<br>Top Open |             | Handwheel           |             | Socket<br>Weld<br>Bore | Socket<br>Weld<br>Depth |                    |               |
|                   | 800                 | 1500       | 800                | 1500        | 800                   | 1500        | 800                 | 1500        |                        |                         | 800                | 1500          |
| 1/4<br>8          | 0.31<br>8           | 0.50<br>13 | 3.00<br>76         | 4.00<br>102 | 4.80<br>122           | 8.10<br>206 | 2.50<br>64          | 6.0<br>152  | 0.555<br>14.10         | 0.38<br>10              | 3.00<br>1.4        | 8.00<br>3.6   |
| 3/8<br>10         | 0.31<br>8           | 0.50<br>13 | 3.00<br>76         | 4.00<br>102 | 4.80<br>122           | 8.10<br>206 | 2.50<br>64          | 6.0<br>152  | 0.690<br>17.53         | 0.38<br>10              | 3.00<br>1.4        | 8.00<br>3.6   |
| 1/2<br>15         | 0.31<br>8           | 0.50<br>13 | 3.00<br>76         | 4.00<br>102 | 4.80<br>122           | 8.10<br>206 | 2.50<br>64          | 6.0<br>152  | 0.855<br>21.72         | 0.38<br>10              | 3.00<br>1.4        | 8.00<br>3.6   |
| 3/4<br>20         | 0.50<br>13          | 0.50<br>13 | 3.25<br>83         | 5.00<br>127 | 7.10<br>180           | 8.40<br>213 | 4.0<br>102          | 6.0<br>152  | 1.065<br>27.05         | 0.50<br>13              | 5.00<br>2.3        | 11.00<br>5.0  |
| 1<br>25           | 0.75<br>19          | 0.75<br>19 | 3.50<br>89         | 6.00<br>152 | 7.30<br>185           | 10.0<br>254 | 4.0<br>102          | 8.0<br>203  | 1.330<br>33.78         | 0.50<br>13              | 6.00<br>2.7        | 21.00<br>9.5  |
| 1 1/4<br>32       | 1.25<br>32          | 1.25<br>32 | 5.00<br>127        | 7.00<br>178 | 8.90<br>226           | 11.0<br>279 | 6.0<br>152          | 8.0<br>203  | 1.675<br>42.55         | 0.50<br>13              | 14.00<br>6.4       | 31.00<br>14.0 |
| 1 1/2<br>40       | 1.25<br>32          | 1.25<br>32 | 5.00<br>127        | 7.00<br>178 | 8.90<br>226           | 11.0<br>279 | 6.0<br>152          | 8.0<br>203  | 1.915<br>48.64         | 0.50<br>13              | 14.00<br>6.4       | 31.00<br>14.0 |
| 2<br>50           | 1.5<br>38           | 1.5<br>38  | 8.00<br>203        | 9.00<br>229 | 11.2<br>285           | 12.3<br>312 | 8.0<br>203          | 12.0<br>305 | 2.406<br>61.11         | 0.63<br>16              | 27.00<br>12.2      | 49.00<br>22.2 |

## Pressure - Temperature Ratings

ASME B16.34 - Class 1500, API Std 602 - Class 800

| Materials  | A105 |      | F22  |      |
|------------|------|------|------|------|
| Class      | 800  | 1500 | 800  | 1500 |
| Temp. °F   | Psig |      |      |      |
| -20 to 100 | 1975 | 3705 | 2000 | 3750 |
| 200        | 1800 | 3375 | 2000 | 3750 |
| 300        | 1750 | 3280 | 1940 | 3640 |
| 400        | 1690 | 3170 | 1880 | 3530 |
| 500        | 1595 | 2995 | 1775 | 3325 |
| 600        | 1460 | 2735 | 1615 | 3025 |
| 650        | 1430 | 2685 | 1570 | 2940 |
| 700        | 1420 | 2665 | 1515 | 2840 |
| 750        | 1345 | 2520 | 1420 | 2660 |
| 800        | 1100 | 2060 | 1355 | 2540 |
| 850        | 715  | 1340 | 1300 | 2435 |
| 900        | —    | —    | 1200 | 2245 |
| 950        | —    | —    | 1005 | 1885 |
| 1000       | —    | —    | 695  | 1305 |
| 1050       | —    | —    | 465  | 875  |
| 1100       | —    | —    | 295  | 550  |
| 1150       | —    | —    | 180  | 345  |
| 1200       | —    | —    | 110  | 205  |

| Materials  | A625 |      | F316 |      |
|------------|------|------|------|------|
| Class      | 800  | 1500 | 800  | 1500 |
| Temp. °F   | Psig |      |      |      |
| -20 to 100 | 2250 | 3750 | 1920 | 3600 |
| 200        | 2250 | 3750 | 1655 | 3095 |
| 300        | 2185 | 3640 | 1495 | 2795 |
| 400        | 2086 | 3490 | 1370 | 2570 |
| 500        | 1995 | 3325 | 1275 | 2390 |
| 600        | 1815 | 3025 | 1205 | 2255 |
| 650        | 1765 | 2940 | 1185 | 2220 |
| 700        | 1705 | 2840 | 1160 | 2170 |
| 750        | 1595 | 2660 | 1140 | 2135 |
| 800        | 1525 | 2540 | 1125 | 2110 |
| 850        | 1460 | 2435 | 1115 | 2090 |
| 900        | 1350 | 2245 | 1105 | 2075 |
| 950        | 1160 | 1930 | 1030 | 1930 |
| 1000       | 1090 | 1820 | 935  | 1750 |
| 1050       | 1080 | 1800 | 915  | 1720 |
| 1100       | 965  | 1610 | 815  | 1525 |
| 1150       | 825  | 1370 | 630  | 1185 |
| 1200       | 615  | 1030 | 495  | 925  |
| 1250       | —    | —    | 390  | 735  |

## How to Order

**GL2 — PBW8 — CL1500 — 316**

| Series     | Type Of Connection                     | Size Of Connection  | ASME Class               | Body Material          |
|------------|----------------------------------------|---------------------|--------------------------|------------------------|
| <b>GL2</b> | <b>FNPT</b> Female NPT                 | <b>6</b> 3/8 in.    | <b>CL800</b> Class 800   | <b>316</b> 316 S.S.    |
|            | <b>FBT</b> Female BSPT                 | <b>8</b> 1/2 in.    | <b>CL1500</b> Class 1500 | <b>316L</b> 316L S.S.  |
|            | <b>FSW</b> Fractional Tube Socket Weld | <b>12</b> 3/4 in.   |                          | <b>316H</b> 316H S.S.  |
|            | <b>MSW</b> Metric Tube Socket Weld     | <b>16</b> 1 in.     |                          | <b>304</b> 304 S.S.    |
|            | <b>FBW</b> Fractional Tube Butt Weld   | <b>20</b> 1 1/4 in. |                          | <b>304L</b> 304L S.S.  |
|            | <b>MBW</b> Metric Tube Butt Weld       | <b>24</b> 1 1/2 in. |                          | <b>F91</b> F91         |
|            | <b>PSW</b> Pipe Socket Weld            | <b>32</b> 2 in.     |                          | <b>F92</b> F92         |
|            | <b>PBW</b> Pipe Butt Weld              |                     |                          | <b>A105</b> Alloy A105 |
|            |                                        |                     |                          | <b>A625</b> Alloy 625  |
|            |                                        |                     |                          | <b>F11</b> F11         |
|            |                                        |                     |                          | <b>F22</b> F22         |
|            |                                        |                     |                          | <b>WB36</b> WB36       |

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