# LVF Globe valve Type: 1741 Steel Socket weld Class 800

Forged steel globe valve, OS&Y, with bolted bonnet and socket weld ends, Class 800

## Characteristics

**Type:** 1741
**Norm:** ASME
**Construction type:** Straight
**Housing material:** Steel
**Surface protection:** Phosphated
**Connection:** Socket weld
**Standard welding connection:** ASME B16.11
**Stem seal type:** Gland seal
**Spindle material:** ASTM A276 410
**Primary spindle seal material:** Graphite
**Material bonnet:** ASTM A105N
**Bonnet gasket material:** SWG 316/Graphite
**Actuator material:** Steel
**Minimum medium temperature (continuous):** -29 °C
**Maximum medium temperature (continuous):** 426 °C
**Maximum pressure difference at 20 °C:** 136 bar

## Application

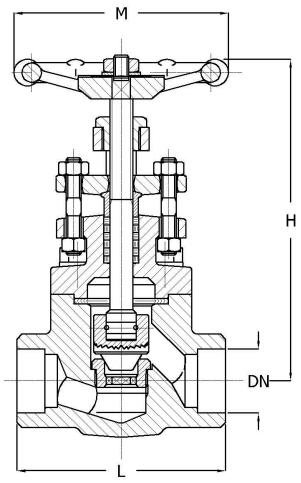
- Refineries and (petro-) chemical procesinstallations.
- Oil & gas industry.
- Steam and oil (for thermal oil: bellows sealed valve).
- Neutral liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

## Technical Information

- Design: API602, ASME B16.34.
- Testing: API598.
- Emission standard: API 624.
- NACE MR01-75, MR01-03.

## Options

- Available in stainless steel; type 1762.
- Available with NPT thread connections; type 1739.
- Available in Class 1500.
- Available in other materials.
- Available for cryogenic or high temperature applications.
- Equipped with an electric, pneumatic or hydraulic actuator.




## Size table:

| DN | H | L | M | Weight |
|---|---|---|---|---|
| | mm | mm | mm | kg |
| 1/2" [15] | 160 | 80 | 80 | 1.8 |
| 3/4" [20] | 200 | 90 | 80 | 2 |
| 1" [25] | 200 | 110 | 80 | 3.3 |
| 1.1/2" [40] | 270 | 155 | 120 | 7.9 |
| 2" [50] | 290 | 170 | 140 | 10.8 |





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| Pressure and temperature range | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -29/38 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 425 | 450 | 500 | 538 | [°C] |
| 136.2 | 133.7 | 124.3 | 120.2 | 116.8 | 106.2 | 103.2 | 100.2 | 92.6 | 76.7 | 61.3 | 31.4 | 15.7 | [bar] |
| ASTM A105N is not recommended for long-term use above 425 °C. | | | | | | | | | | | | | |
| Check the above values and any additional comments with API602. | | | | | | | | | | | | | |

| Material quality | Nominal inner diameter | Pressure rating | Face to Face norm | Face to Face length | Operation | Type of disc | Type of bonnet | Sealing | Material disc | Article |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | mm | | | | | | |
| ASTM A105N | 1/2" [15] | Class 800 | Manufacturer standard | 80 | Hand wheel, rising with rising stem | Fixed disc | Bolted bonnet | Trim 8 | ASTM A276 410 | 13615016 |
| ASTM A105N | 3/4" [20] | Class 800 | Manufacturer standard | 90 | Hand wheel, rising with rising stem | Fixed disc | Bolted bonnet | Trim 8 | ASTM A276 410 | 13615017 |
| ASTM A105N | 1" [25] | Class 800 | Manufacturer standard | 110 | Hand wheel, rising with rising stem | Fixed disc | Bolted bonnet | Trim 8 | ASTM A276 410 | 13615018 |
| ASTM A105N | 1.1/2" [40] | Class 800 | Manufacturer standard | 155 | Hand wheel, rising with rising stem | Fixed disc | Bolted bonnet | Trim 8 | ASTM A276 410 | 13615019 |
| ASTM A105N | 2" [50] | Class 800 | Manufacturer standard | 170 | Hand wheel, rising with rising stem | Fixed disc | Bolted bonnet | Trim 8 | ASTM A276 410 | 13615020 |





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