GLOBE VALVES

The body is forged steel and designed to the basic dimensional requirements of the applicable specifications such as API 602 and ASME B16.34. The body is available in both the full or standard port design. It is also available in either T-pattern or Y-pattern configuration.

3. BODY-BONNET JOINT. Two different bonnet joint designs are available. These are either the bolted bonnet or the threaded and seal welded type.

5. BONNET BOLTING. The bonnet bolting is manufactured of alloy steel in accordance with the requirements of the applicable specifications such as API 602 and ASME B16.34.

8. STEM. The stem is forged steel and part of the valve trim. It contains an integral back seat shoulder, which mates with the integral back seat of the bonnet. The stem is designed to the basic dimensional requirements of the applicable specifications such as API 602.

9. GLAND AND FLANGE. The gland, gland flange assembly utilizes a separate, two piece design. This self aligning design allows the flange to be unevenly tightened while the gland maintains its parallel alignment with the stem and stuffing box.

10. GLAND BOLTS AND NUTS. The steel/stainless steel gland bolt and nut assembly is a stud, Eye bolt arrangement. This design allows complete removal from the valve when service is required. The use of industry standard thread full length studs and nuts also allows easy replacement should these items be lost or in need of replacement.

11. YOKE SLEEVE. The yoke sleeve is of forged stainless steel material having a high melting point and is resistant to wear and corrosion.

12. HANDWHEEL. The handwheel is forged carbon steel of an open spoke design. This robust construction along with appropriate sizing allows for ease of operation.
GLOBE VALVES - BOLTED Bonnet - Full & Standard Port

150LB-800 LB.
900LB-1500 LB.

Design construction:
ASME B16.34 - BS 1519
Testing according to API 598
Marking MSS SP75
Outlined Screw and Yoke (OS&Y)
Self-aligning two piece packing gland
Integral backseat
Lease solid disc
Socket Weld Ends to ASME B16.11
Screwed Ends (NPT) to ASME B1.20.1
 Butt Welding Ends to ASME B16.25
Ratings:
- carbon steel class 800 1975 psig @ 100°F
  138 bar + 38°C
- carbon steel class 1500 3705 psig @ 100°F
  255 bar + 38°C

Ratings standard class:
- carbon steel class 1500 3705 psig @ 100°F
  255 bar + 38°C
- carbon steel class 2500 6170 psig @ 100°F
  425 bar + 38°C

**150LB-800LB**

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**GLOBE VALVES - Self-sealing globe valve**

900-1500 LB.

Design construction:
ASME B16.16 - BS 1519
Testing according to API 598
Marking MSS SP75
Outlined Screw and Yoke (OS&Y)
Self-aligning two piece packing gland
Spiral-wound gasket
Integral backseat
Lease solid disc
Socket Weld Ends to ASME B16.11
Screwed Ends (NPT) to ASME B1.20.1
 Butt Welding Ends to ASME B16.25

Ratings:
- carbon steel class 800 1975 psig @ 100°F
  138 bar + 38°C
- carbon steel class 1500 3705 psig @ 100°F
  255 bar + 38°C
GLOBE VALVES - WELDED BONNET - FULL PORT (Y TYPE)

150LB-800LB. 900LB-1500LB.

Design construction:
ASME B16.34 Limited Class
Testing according to API 598
Marking MSS SP75
Outside Screw and Yoke (OS&Y)
Self-aligning two piece packing gland
Integral backseat
Body bonnet weld to ASME IX
Loose solid disc
Socket Weld Ends to ASME B16.11
Screwed Ends (NPT) to ASME B1.20.1
Butt Welding Ends to ASME B16.25
Ratings:
- carbon steel class 800 2000 psig @ 100°F
  138 bar + 38°C
- carbon steel class 1690 4225 psig @ 100°F
  291 bar + 38°C

800-1500 LD.

Design construction:
ASME B16.34 Limited Class
Testing according to API 598
Marking MSS SP75
Outside Screw and Yoke (OS&Y)
Self-aligning two piece packing gland
Integral backseat
Body bonnet weld to ASME IX
Loose solid disc
Socket Weld Ends to ASME B16.11
Screwed Ends (NPT) to ASME B1.20.1
Butt Welding Ends to ASME B16.25
Ratings:
- carbon steel class 800 3000 psig @ 100°F
  210 bar + 38°C
- carbon steel class 1690 4225 psig @ 100°F
  291 bar + 38°C