



ANSI globe valves forged steel

Bolted bonnet

Threaded and Socket weld ends

**Class 800
1/2" – 2"**

Applications

- Refineries, power stations, process and general industry
- For water, steam, gas, oil, and other media
- Other applications on request

Operating Data

- Maximum allowable pressure 105 bar
- Maximum allowable temperature 816°C
- Temperature below 0°C on request

Materials

- ASTM A105 up to 800°F (425°C)
- ASTM A182 F11 up to 1100°F (593°C)
- ASTM A182 F22 up to 1100°F (593°C)
- ASTM A182 F304 up to 1500°F (816°C)
- ASTM A182 F316 up to 1500°F (816°C)

Trim Materials

- Trim 1 13Cr/13Cr
- Trim 2 304/304
- Trim 5 Stellite/Stellite
- Trim 8 Stellite/13Cr
- Trim 10 316/316

Design

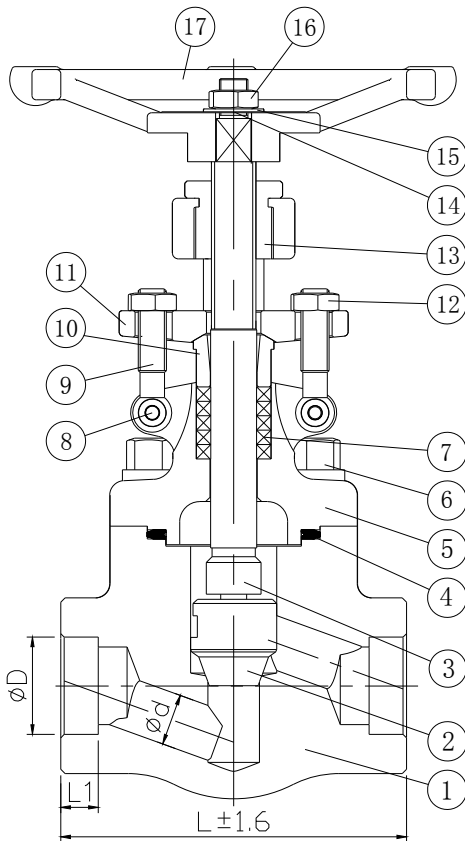
- Design per API 602
- Pressure/temperature rating per ASME B16.34
- Socket weld end per ASME B16.11
- Thread end per ASME B1.20.1
- Testing per API 598
- Bolted bonnet
- Outside screw and yoke
- Rotating stem

Variants on request

- Other material and trim

On all enquiries/orders please specify

1. Valve type
2. ANSI pressure class
3. Size
4. Design pressure
5. Design temperature
6. Differential pressure-shut off
7. Flow medium
8. Material of construction
9. Trim material (API trim number)
10. Type of end connection
11. Variants


Dimension

NPS	L	ød	L1	øD	L2	T (NPT)	Weight kg
1/2"	79	10	10	21.7	13.6	1/2"	2.15
3/4"	92	13	13	27.1	13.9	3/4"	2.2
1"	111	18	13	33.8	17.4	1"	2.5
1 1/4"	120	22	13	42.7	18	1 1/4"	5.7
1 1/2"	152	30	13	48.8	18.4	1 1/2"	7.1
2"	172	35	16	61.1	19.2	2"	12.5

Valve Materials

Part No.	Part Name	A105	F11	F22	F304	F316
1	Body	A105+STL6	F11+STL6	F22+STL6	A182-F304	A182-F316
2	DISC	A276-420	A276-420+STL6	A276-420+STL6	A276-304	A276-316
3	Stem	A276-410	A276-410	A276-410	A276-304	A276-316
4	Gasket	304+Graphite	316+Graphite	316+Graphite	316+Graphite	316+Graphite
5	Bonnet	A105	A182-F11	A182-F22	A182-F304	A182-F316
6	Bonnet Bolt	A193-B7	A193-B16	A193-B16	A193-B8	A193-B8M
7	Packing	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite
8	Gland Bolt	A193-410	A193-B16	A193-B16	A193-304	A193-304
9	Gland Bolt Pin	A276-410	A276-410	A276-410	A276-304	A276-304
10	Packing Flange	A276-410	A276-410	A276-410	A276-304	A276-304
11	Gland Flange	A105	A105	A105	304	304
12	Nut	A194-2H	A194-8	A194-8	A194-8	A194-8M
13	Stem Nut	A276-410				
14	Washer	A276-410				
15	Nameplate	Stainless Steel				
16	Hand Wheel Nut	A194-2H				
17	HandWheel	A197				

Note. At temperatures above 538°C use only when the carbon content is 0.04% or higher.

Trim Materials

Part Name	Trim 1 13Cr/13Cr	Trim 2 304/304	Trim 5 Stellite/Stellite	Trim 8 Stellite/13Cr	Trim 10 316/316
Wedge Face	13Cr	304 Stainless Steel	Stellite	13Cr	316 Stainless Steel
Body Sealing Face	13Cr	304 Stainless Steel	Stellite	Stellite	316 Stainless Steel