



ANSI globe valves forged steel

Bolted bonnet

Flange end

Class 150 – 600
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 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

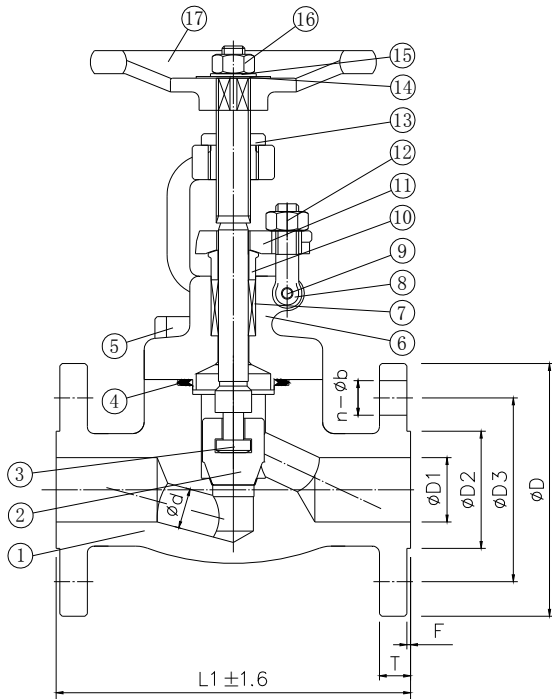
- Design per API 602
- Pressure/temperature rating per ASME B16.34
- End-end dimension per ASME B16.10
- Flange dimensions per ASME B16.5
- Testing per API 598
- Bolted bonnet
- Outside screw and yoke
- Rotating stem

Variants on request

- Other material and trim
- Butt weld execution

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
Class 150

NPS	L1	ø d	ø D1	ø D2	ø D3	ø D	T	F	n-ø b	Weight KG
1/2"	108	10	15	35	60.5	89	11.5	1.6	4-16	4.5
3/4"	117	13	20	43	70	99	13	1.6	4-16	7
1"	127	18	25	51	79.5	108	14.5	1.6	4-16	10
1 1/4"	140	23	32	63.5	89	118	16	1.6	4-16	14
1 1/2"	165	28.5	40	73	98.5	127	17.5	1.6	4-16	20
2"	203	35	50	92	121	152	19.5	1.6	4-19	28

Class 300

NPS	L1	ø d	ø D1	ø D2	ø D3	ø D	T	F	n-ø b	Weight KG
1/2"	152	10	15	35	66.5	95	14.5	1.6	4-16	4.9
3/4"	178	13	20	43	82.5	117	16	1.6	4-19	7.8
1"	203	18	25	51	89	124	17.5	1.6	4-19	12
1 1/4"	216	23	32	63.5	98.5	133	19.5	1.6	4-19	17
1 1/2"	229	28.5	40	73	115	156	21	1.6	4-23	21.3
2"	267	35	50	92	127	165	22.5	1.6	8-19	33.2

Class 600

NPS	L1	ø d	ø D1	ø D2	ø D3	ø D	T	F	n-ø b	Weight KG
1/2"	165	15	15	35	66.5	95	21.5	6.4	4-16	5.7
3/4"	190	17	20	43	82.5	117	23	6.4	4-19	7.9
1"	216	22	25	51	89	124	24.5	6.4	4-19	13.1
1 1/4"	229	23	32	63.5	98.5	133	28	6.4	4-19	18
1 1/2"	241	28.5	40	73	115	156	29.5	6.4	4-23	24.3
2"	292	36.5	50	92	127	165	32	6.4	8-19	39.2

Valve Materials

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