

Series 4483

Forged Globe Valve Datasheet



Forged Globe Valve Series 4483



Design Features

- Class 800
- Socket weld ends forged steel or 316L stainless steel
- Threaded ends forged steel or 316L stainless steel
- Bolted bonnet
- Rising stem
- NACE MR-0175

Applicable Standards

- Basic Design: API 602 (9th Edition)
- Socket Weld: ASME 16.11
- Threaded: ASME B1.20.1
- Test: API 598

Technical Information

Size	C _v	Weight (Lbs.)
1/4	0.7	4.7
3/8	1.0	4.6
1/2	1.2	4.6
3/4	2.7	5.1
1	5.3	8.1
1 1/4	11	13.2
1 1/2	17.6	16.5
2	23.0	25.3

C_v values represent the flow of water at +60°F through the valve in U.S. gallons per minute at a pressure drop of 1 psi. The metric equivalent, K_v, is the flow of water at 16°C through the valve in cubic meters per hour at a pressure drop of 1 kg/cm². To convert C_v to K_v, multiply by 0.8569.

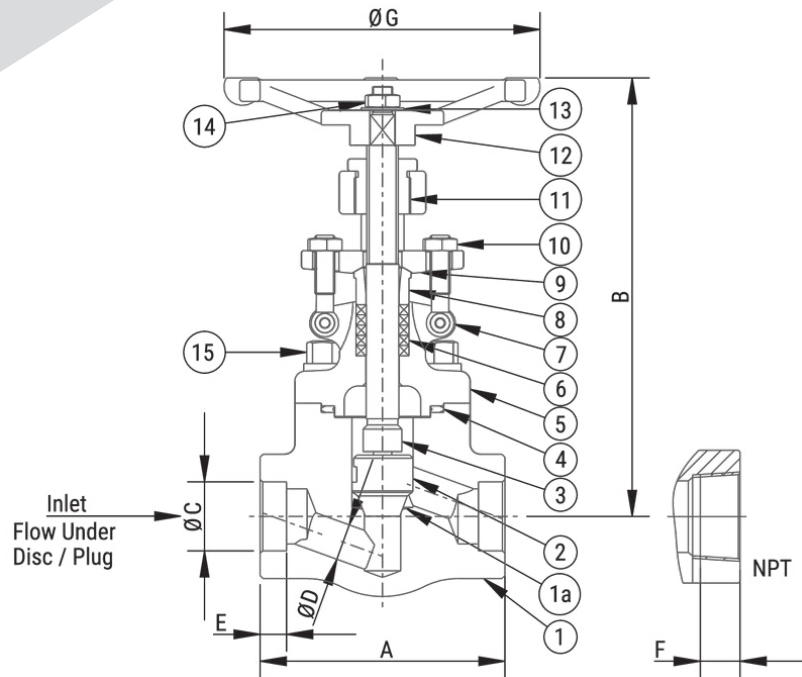
Temperature °F	Forged 316L SS Max Pressure, PSI	Forged Steel Max Pressure, PSI
-20 to 100	1600	1975
200	1365	1810
300	1215	1745
400	1120	1690
500	1050	1610
600	990	1515
650	975	1465
700	960	1415
750	940	1350
800	920	1100
850	900	-



asc-es.com

Building Connections That Last™

Forged Globe Valve Series 4483



Parts & Materials

No.	Part Name	Qty.	Material
1	Body	1	316L Stainless Steel ASTM A182 or Forged Steel ASTM A105N
1a	Seat	1	Stellite
2	Disc	1	316 Stainless Steel or 410 Stainless Steel*
3	Stem	1	316 Stainless Steel or 410 Stainless Steel*
4	Gasket	1	316 + Graphite or 304 + Graphite*
5	Bonnet	1	316L Stainless Steel or Carbon Steel ASTM A105N*
6	Packing	4	Graphite
7	Gland Studs	2	B8M Steel or 410 Stainless Steel*
8	Packing Gland	1	316 Stainless Steel or 2HM Steel ASTM A194*
9	Gland Flange	1	304 Stainless Steel or Carbon Steel ASTM A105N*
10	Gland Nut	2	Gr8 Steel or 2HM Steel ASTM A194*
11	Stem Nut	1	A276 410 Stainless Steel
12	Hand Wheel	1	Carbon Steel
13	Hand Wheel Nut	1	Carbon Steel
14	Name Plate	1	Aluminum
15	Body Bolt	4	B8M Steel ASTM A193 or B7M Steel ASTM A193*

Dimensions (Inches)

Size	A	B	C	D	E	F	G
1/4	3.11	6.34	0.56	0.24	0.39	0.40	3.94
3/8	3.11	6.34	0.69	0.28	0.39	0.43	3.94
1/2	3.11	6.34	0.85	0.37	0.39	0.54	3.94
3/4	3.62	6.34	1.07	0.49	0.51	0.55	3.94
1	4.37	7.60	1.33	0.69	0.51	0.69	4.72
1 1/4	4.72	9.06	1.68	0.93	0.51	0.71	6.30
1 1/2	5.98	9.76	1.92	1.12	0.51	0.72	6.30
2	6.77	11.10	2.41	1.44	0.65	0.76	8.66

Note:

*Used on Carbon Steel Valves

Forged Globe Valve

Series 4483



How to order Series 4483

1	-	4483	-	6	-	TE
Size	Series		Body Material		End Connections ¹	
1/4	4483 (Class 800)		4	Forged Steel (Trim 8)	TE	Threaded
3/8			6		SW Socket Weld	
1/2						
3/4						
1						
1 1/4						
1 1/2						
2						

¹ If both ends are the same, select TE or SW. If each end is different, specify Inlet first then Outlet.
Examples:
 TE/SW (threaded inlet / socket weld outlet)
 SW/TE (socket weld inlet / threaded outlet)

Note:
 Responsibility for proper selection, use and maintenance of any product remains solely with the purchaser and end user. We reserve the right to modify or improve the designs or specifications of any product at any time without notice.

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



asc-es.com

Building Connections That Last™

FC-DS-SERIES-4483-v03 20260602

