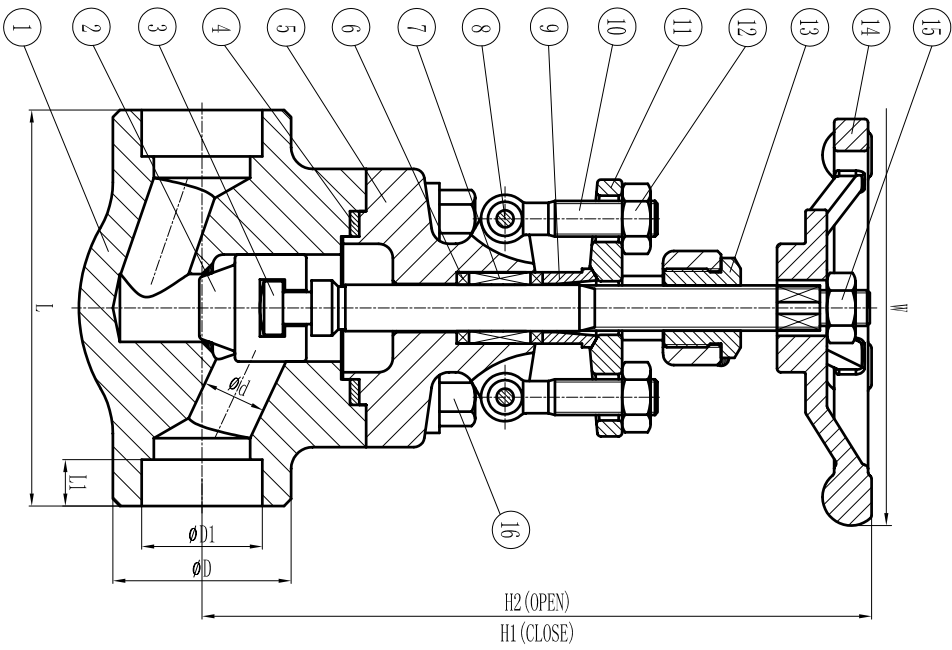


1500LB GLOBE VALVE

APPLICABLE STANDARDS
 BASIC DESIGN: API 602
 SOCKET-WELDING: ASME B16.11
 TEST AND INSPECTION: API598
 3705PST1@100F



Size	L	H1	H2	d	D	W	D1	L1
1/2"	3.62	6.97	7.36	0.39	1.65	4.92	0.85	0.38
3/4"	4.37	6.97	7.36	0.51	1.93	4.92	1.07	0.5
1"	4.72	8.31	8.94	0.69	2.28	6.30	1.33	0.5
1 1/4"	5.98	8.82	9.53	0.91	2.52	6.30	1.68	0.5
1 1/2"	6.77	10.16	10.94	1.12	3.07	7.09	1.91	0.5
2"	220	11.85	12.79	1.38	3.46	7.87	2.41	0.63

TEST ITEM	TEST PRESSURE (PSI)
SHELL TEST	5438
BACK SEAT TEST	3988
HIGH PRESSURE TEST	3988
LOW PRESSURE AIR TEST	87

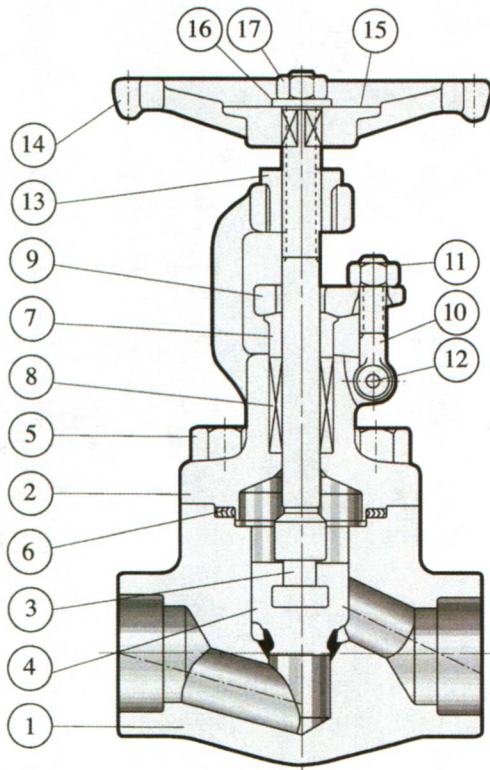
16	BOLT	4	A193-B7
15	HANDWHEEL NUT	1	A194-2H
14	HANDWHEEL	1	A197
13	STEM NUT	1	A276-410
12	EYEBOLT NUT	2	A194-2H
11	GLAND FLANGE	1	A105
10	EYEBOLT	2	A193-B7
9	GLAND	1	A276-420
8	PIN	2	A276-304
7	PACKING	1 SET	FLEXIBLE GRAPHITE
6	PACKING	2	FLEXIBLE GRAPHITE-S. S. WIRE
5	BONNET	1	A105N
4	BONNET GASKET	1	SPRAL WOUND GRAPHITE-304
3	STEM	1	A182-F6a
2	DISC	1	A182-F6a+STL
1	BODY	1	A105N+STL
No.	Part Name	Qty	Material

JIV Fig# 1510-5-THD

Steamco Forged Steel Globe Valve Material Options

Standard Material Specifications

Part No.	Part Name	ASTM Specifications									
		Carbon Steel		Alloy Steel			Stainless Steel				
		A 105	A350	A182							
	(b, c)	LF2	F5	F11(d)	F22	F304 (e)	F304L	F316(e)	F316L	F51	
1	Body	A 105	LF2	F5	F11	F22	F304	F304L	F316	F316L	F51
2	Bonnet	A 105	LF2	F5	F11	F22	F304	F304L	F316	F316L	F51
3	Stem	A276 - 410				A276 - 304	A276 - 304L	A276 - 316	A276 - 316L	F51	
4	Disc	A276 - 420				304 + STL	304L + STL	316 + STL	316L + STL	F51	
5	Bonnet Bolt (a)	A193 - B7	A320 - L7	A193 - B16			A193 - B8		A193 - B8M		
6	Gasket	304 + Graphite					316 + Graphite				
7	Gland	A276 - 410				A276 - 304	A276 - 316			F51	
8	Packing	Flexible Graphite					PTFE				
9	Gland Flange	A105	LF2	F11			CF8			F51	
10	Gland Bolt	A193-B7	A320-L7	A193 - B16			A193 - B8 / B8M				
11	Gland Bolt Nut	A194-2H	A194-7	A194 - 4			A194 - 8				
12	Gland Bolt Pin	A276 - 410				A276 - 304			F51		
13	Sleeve	A276 - 410					A276 - 304				
14	Handwheel	A197					304				
15	Nameplate	Aluminum					304				
16	Handwheel Washer	A108 - 1020					A194 - 2H				
17	Handwheel Nut	A194 - 2H									



Globe Valve

Notes:

- a. Temperature limitations on bolting are as following:
Gr B7, 1000°F(538°C); Gr L7, 1000°F(538°C);
Gr B16, 1100°F(595°C); Gr B8-CL1, 1500°F(816°C);
Gr B8M-CL1, 1500°F(816°C); Gr B8-CL2, 1000°F(538°C);
and Gr B8M-CL2, 1000°F(538°C).
- b. Upon prolonged exposure to temperatures above 800°F(425°C), the carbide phase of carbon steel may be converted to graphite.
- c. Only killed steel shall be used above 850°F(455°C).
- d. Use normalized and tempered material only.
- e. At temperatures over 1000°F(538°C), use only when the carbon is 0.04 percent or higher.