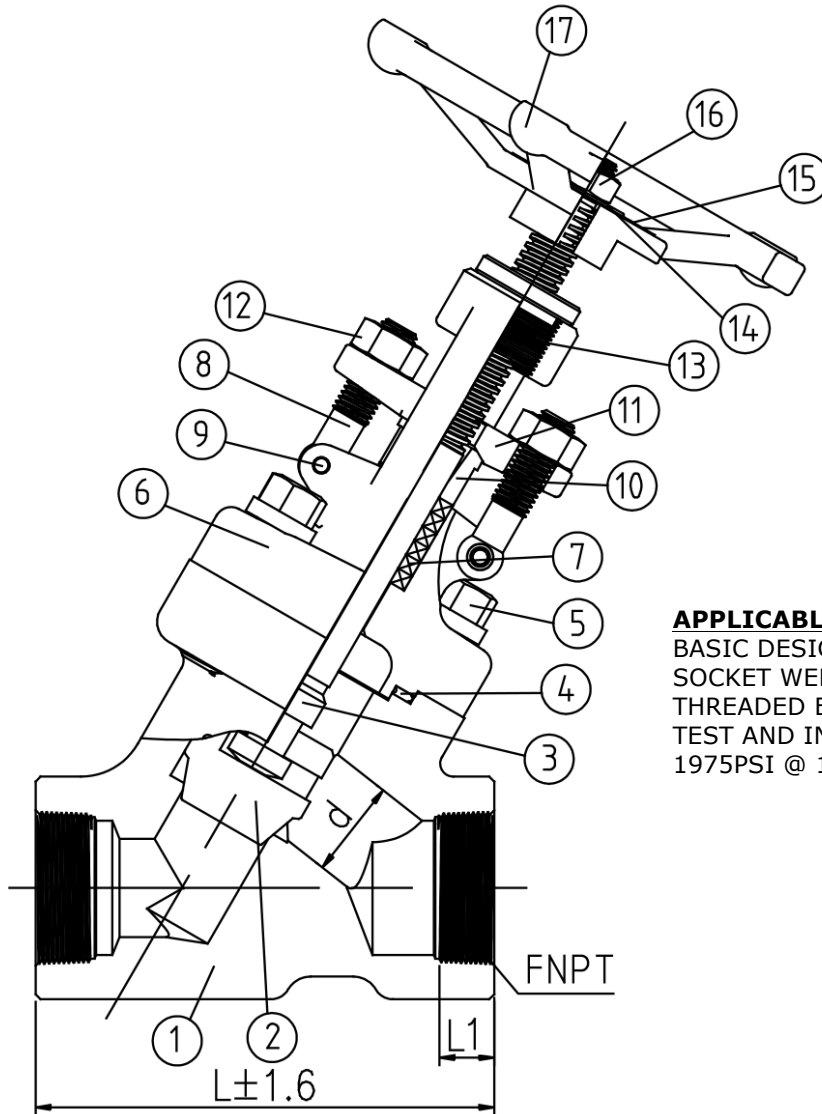


Steamco Valves

SIZE	L	d	FNPT	L1	WEIGHT (lbs)
1/2"	3.86	φ .39	1/2"	0.39	6
3/4"	3.86	φ .51	3/4"	0.51	6
1"	4.72	φ .71	1"	0.51	10.2
1 1/4"	5.51	φ .91	1 1/4"	0.51	14
1 1/2"	5.51	φ .14	1 1/2"	0.51	18
2"	6.5	φ .41	2"	0.63	29.6



APPLICABLE STANDARDS

BASIC DESIGN: API 602 ASME B16.34
 SOCKET WELDING: ASME B16.1
 THREADED END: ASME B1.20.1 (NPT)
 TEST AND INSPECTION: API 598
 1975PSI @ 100F

NO.	PART NAME	MATERIAL	NO.	PART NAME	MATERIAL
1	BODY	A105 + STL	10	PACKING FLANGE	A276 420
2	DISC	A276 410 + STL	11	GLAND FLANGE	WCB
3	STEM	A276 410	12	NUT	A194 2H
4	GASKET	304 + GRAPHITE	13	STEM NUT	A276 410
5	BONNET BOLT	A193 B7	14	WASHER	A276 410
6	BONNET	A105	15	NAMEPLATE	ALUMINUM
7	PACKING	GRAPHITE	16	HANDWHEEL NUT	A108 1020
8	GLAND BOLT	A193 B8	17	HANDWHEEL	A197
9	PIN	A276 304			

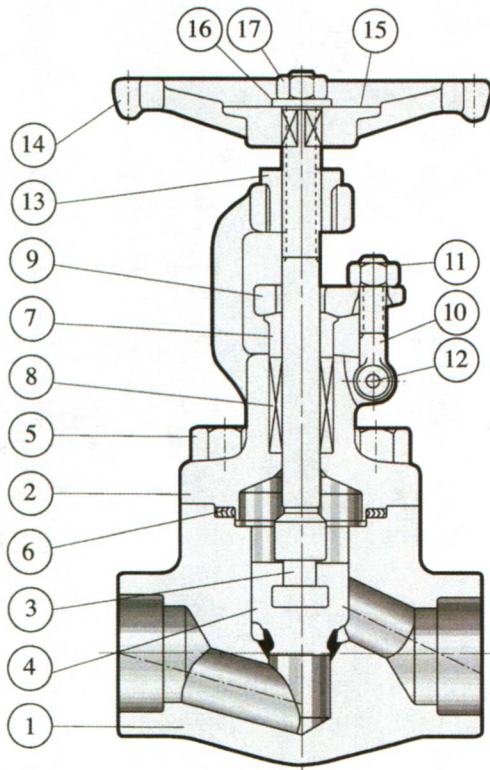
Steamco Fig. 948

CLASS 800 Y-PATTERN GLOBE VALVE

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.