

FORGED STEEL GLOBE VALVES - ANSI CLASS 150~800

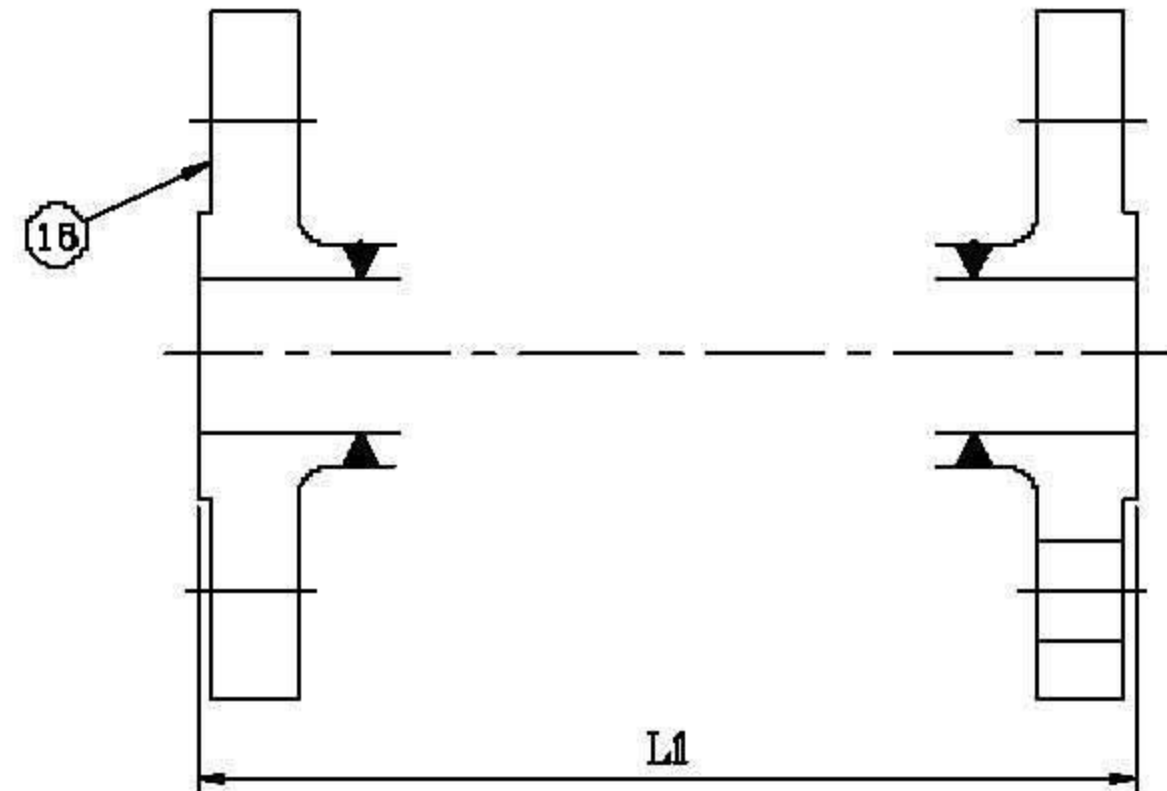
DESIGN DESCRIPTION:

- BOLTED BONNET
- O.S & Y

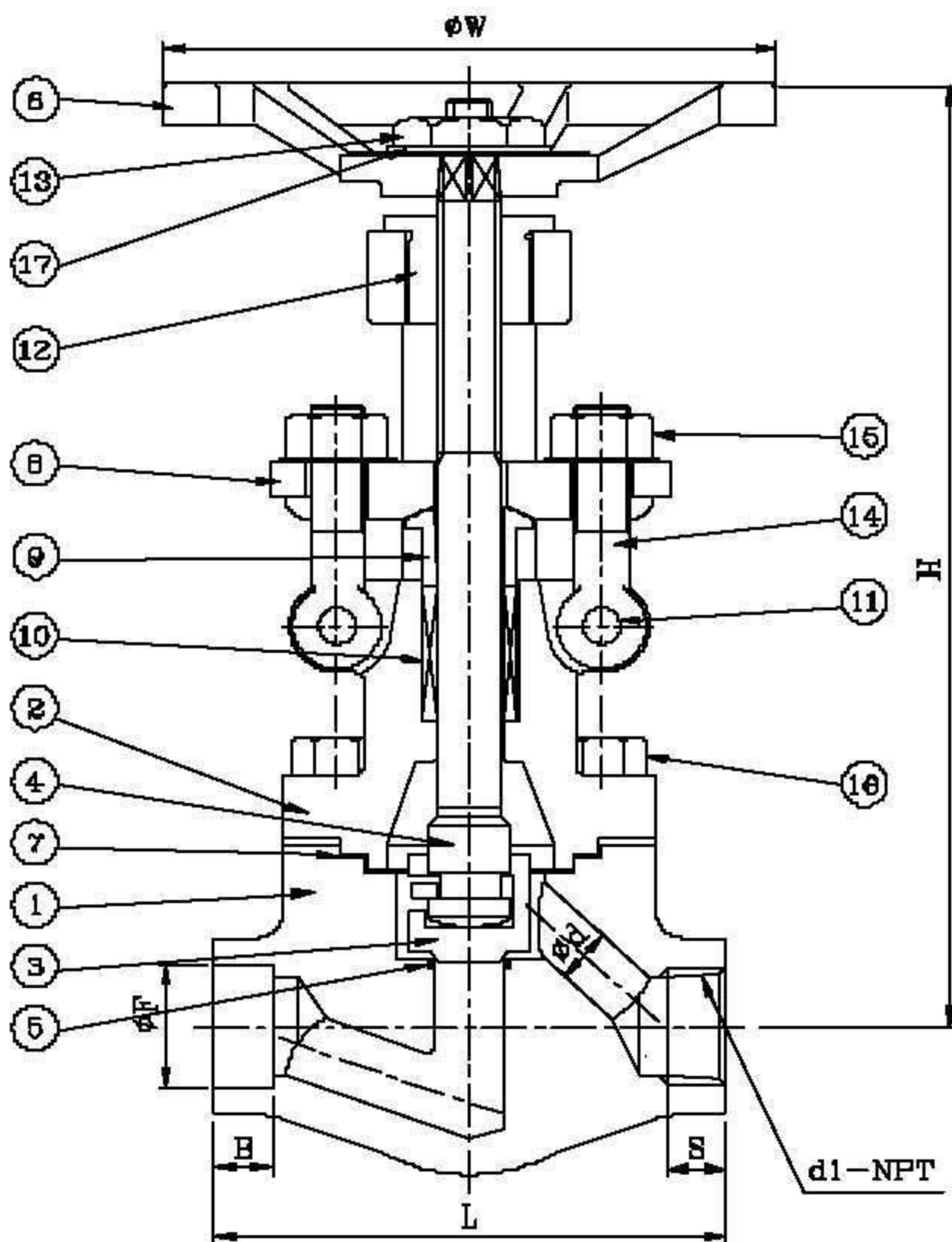
APPLICABLE STANDARDS:

- DESIGN PER API 602
- SOCKET WELD AND THREADED END PER ANSI B16.11
- PIPE THREADS PER ANSI B1.20.1
- FLANGED END PER ANSI B16.5
- INSPECTON AND TEST PER API 598

SOCKET WELD ENDS SCREWED ENDS FLANGED ENDS



Flanged Ends



TEST PRESSURE TO API 598

CLASS	SHELL TEST(water)	SEAT TEST(water)	SEAT TEST(air)
150	450 (32 kg/cm ²)	314 (22 kg/cm ²)	80 (6 kg/cm ²)
300	1125 (79 kg/cm ²)	814 (57 kg/cm ²)	80 (6 kg/cm ²)
600	2225 (156 kg/cm ²)	1628 (114 kg/cm ²)	80 (6 kg/cm ²)
800	3000 (210 kg/cm ²)	2200 (154 kg/cm ²)	80 (6 kg/cm ²)

PSIG:

PARTS AND MATERIAL (ASTM)

NO.	PARTS NAME	MATERIALS	
		A182-F304	A182-F316
1	Body	A182-F304	A182-F316
2	Bonnet	A182-F304	A182-F316
3	Disc	A276-304	A276-316
4	Stem	A276-304	A276-316
5	Seat	A276-304+H/F STL#6	A276-316+H/F STL#6
6	Hand Wheel	A47	
7	Gasket	Grafoil + 304 Spiralwound	Grafoil + 304 Spiralwound
8	Gland Flange	A182-F304	A182-F304
9	Gland	A276-304	A276-316
10	Gland Packing	Graphite	
11	Eye Bolt Pin	A276-304	
12	Stem Nut	A276-410	
13	Wheel Nut	A108-1020	
14	Eye Bolt	A193-B8	
15	Eye Bolt Nut	A194-8	A194-8
16	Bonnet Bolt	A193-B8	A193-B8
17	Name Plate	A666-304	
18	Flange	A182-F304	A182-F316

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

DIMENSION TABLE:

DN	NPS	Ø d	L	L1			H _(OPEN)	Ø W	SOCKET WELD		SCREWED		WT.(Kg) SW/NPT
				150#	300#	600#			ØF	B	d1	S	
15	1/2	10	79	108	152	165	164	100	22	10	1/2" NPT	13.5	2
20	3/4	14	92	118	178	191	164	100	27	13	3/4" NPT	14.0	2.3
25	1	18	111	127	203	216	201	125	34	13	1" NPT	17.5	4.2
40	1 1/2	28	152	165	229	241	260	160	49	13	1 1/2" NPT	18.5	8.2
50	2	34	172	203	267	292	289	180	61	16	2" NPT	19.0	12.3