

GE-FLOW GAV SERIES GATE VALVES - FORGED STEEL (ANSI 150-800)

DESIGN DESCRIPTION:

- BOLTED BONNET
- O.S & Y

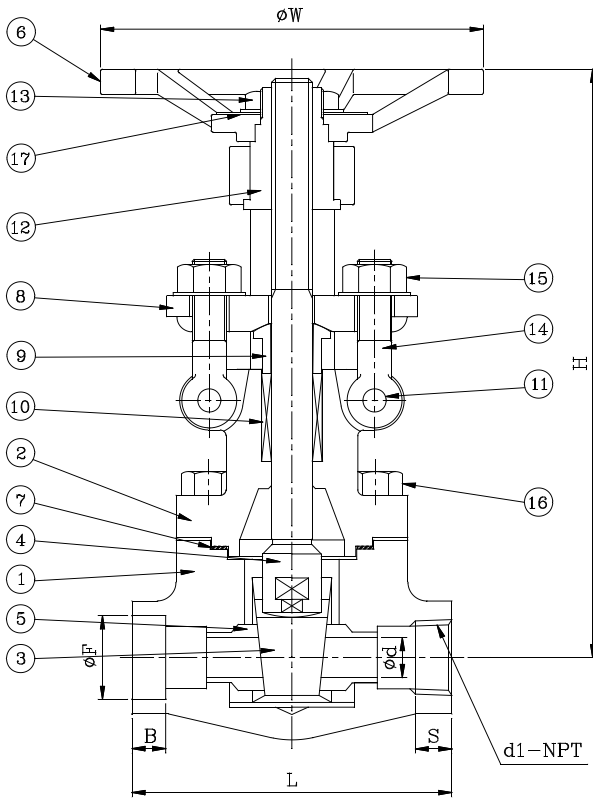
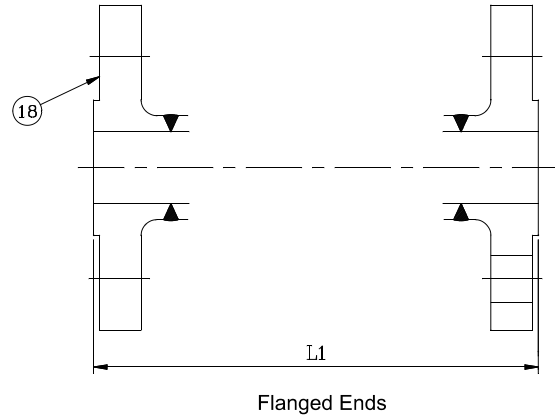
APPLICABLE STANDARDS:

- DESIGN PER API 602 / BS 5352
- 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



TEST PRESSURE TO API 598

PSIG

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)

PARTS AND MATERIAL (ASTM)

NO.	PARTS NAME	MATERIALS		
		A105	F304	F316
1	Body	A105	A182-F304	A182-F316
2	Bonnet	A105	A182-F304	A182-F316
3	Disc	A217-CA15	A 182-F304/L	A 182-F316/L+STL
4	Stem	A276-410	A276-304	A276-316
5	Seat	A276-410+H/F STL#6	A276-304+H/F STL#6	A276-316+H/F STL#6
6	Hand Wheel	A47		
7	Gasket	Grafoil + 304 Spiralwound	Grafoil + 304 Spiralwound	Grafoil + 316 Spiralwound
8	Gland Flange	A105	A182-F304	A182-F304
9	Gland	A276-304	A276-304	A276-316
10	Gland Packing	Graphite		
11	Eye Bolt Pin	A276-304		
12	Stem Nut	A276-410		
13	Wheel Nut	A108-1025		
14	Eye Bolt	A193-B8		
15	Eye Bolt Nut	A194-2H	A194-8	A194-8
16	Bonnet Bolt	A193-B7	A193-B8	A193-B8
17	Name Plate	A666-304		
18	Flange	A105	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#			Ø F	B	d1	S	
15	1/2	13	79	108	140	165	155	100	22	10	1/2" NPT	13.5	1.9
20	3/4	13	92	118	152	191	155	100	27	13	3/4" NPT	14.0	2.2
25	1	19	111	127	165	216	193	125	34	13	1" NPT	17.5	4.1
40	1 1/2	29	120	165	190	241	248	160	49	13	1 1/2" NPT	18.5	7.2
50	2	37	140	178	216	292	286	180	61	16	2" NPT	19.0	10.8