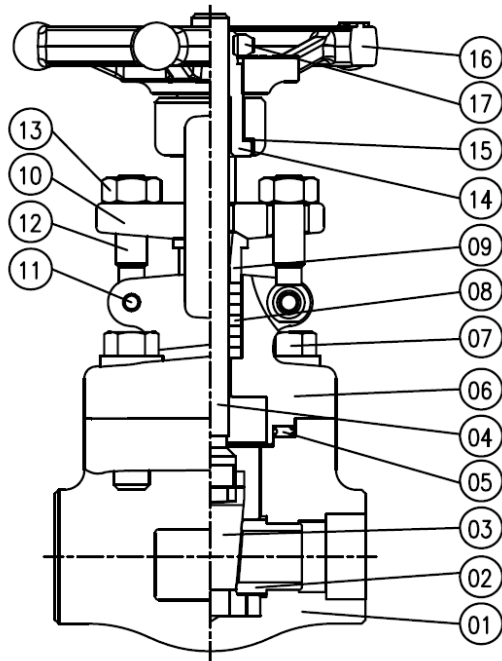


## CLASS 150 ~ 1500 GATE VALVE – OS&Y, BB TYPE



### SPECIFICATIONS

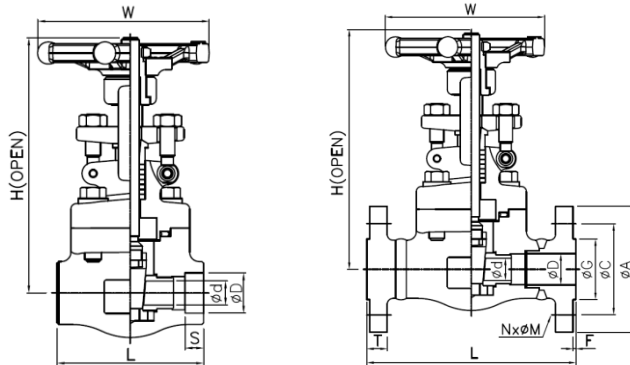
- 1) Valve Size: 1/2" ~ 2"
- 2) Applicable Rating: ASME 150# ~1500#
- 3) Temperature: Up to 500°C
- 4) Code & Standard: API, BS, ASME, ASTM  
Designed by ASME B16.11 / 16.34 / 16.5,  
API 602
- 5) Constructions
  - \* End Connection: Socket-Welded or Flanged Type
  - \* OS & Y, BB (=Bolted Bonnet) Type
  - \* Full Bore / Reduce Bore
  - \* Rising Stem / Non Rising Hand wheel
  - \* Manual or Motor Operated  
(Pneumatic, Electric, or Hydraulic)

SHELL & SEAT LEAKAGE TEST PRESSURE(A105)				
CLASS	SHELL (kgf/cm <sup>2</sup> )		SEAT (kgf/cm <sup>2</sup> )	
	WATER	AIR	WATER	
150#	32	6	23	
300#	80		58	
600#	157		115	
800#	211		155	
900#	236		172	
1500#	393		287	

### STANDARD COMPONENT MATERIALS

NO	Part Name	MATERIAL(BODY/TRIM)				
		A105/F6a	LF2/304	F11/F6a	F304(L)/304(L)	F316(L)/316(L)
01	BODY	A105	LF2	F11	F304(L)	F316(L)
02	SEAT RING	A276-410	A276-304	A276-410	A276-304(L)	A276-316(L)
03	WEDGE	A217-CA15	A351-CF8	A217-CA15	A351-CF8(CF3)	A351-CF8M(CF3M)
04	STEM	A276-410	A276-304	A276-410	A276-304(L)	A276-316(L)
05	GASKET	Graphite	Graphite	Graphite	Graphite	Graphite
06	BONNET	A105	LF2	F11	F304(L)	F316(L)
07	BONNET BOLT	A193-B7	A320-L7	A193-B16	A193-B8	A193-B8
08	GLAND PACKING	Graphite	Graphite	Graphite	Graphite	Graphite
09	GLAND	304L	304L	304L	304L	304L
10	GLAND FLANGE	A105	A105	A105	F316	F316
11	EYE BOLT PIN	A276-304	A276-304	A276-304	A276-304	A276-304
12	EYE BOLT	A193-B8	A193-B8	A193-B8	A193-B8	A193-B8
13	EYE BOLT NUT	A194-2H	A194-2H	A194-2H	A194-8	A194-8
14	SLEEVE	A276-410	A276-410	A276-410	A276-410	A276-410
15	SLEEVE WASHER	A276-430	A276-430	A276-430	A276-430	A276-430
16	HAND WHEEL	A47	A47	A47	A47	A47
17	WHEEL NUT	A108-1025	A108-1025	A108-1025	A108-1025	A108-1025

## CLASS 150 ~ 1500 GATE VALVE – OS&Y, BB TYPE



### Connection ends conform to:

- 1) Socket welded ends conform to ASME B16.11
- 2) Screw ends conform to ASME B1.20.1
- 3) Butt-welded ends conform to ASME B16.25
- 4) Flanged ends conform to ASME B16.5

### - DIMENSION TABLE (Socket Welding End)

CLASS	SIZE	H	W	L	d	ANSI		JIS		WEIGHT (KG)
						D	S	D	S	
#150 #300 #600 #800	1/2"	155	100	79	13.0	21.8 - 22.2	10	22.2 - 22.5	9.7	1.9
	3/4"	155	100	92	13.0	27.2 - 27.6	13	27.7 - 28.0	12.7	2.2
	1"	193	125	111	19.0	33.9 - 34.3	13	34.5 - 34.8	12.7	4.1
	1-1/4"	248	160	120	29.2	42.7 - 43.1	13	43.2 - 43.5	12.7	7.3
	1-1/2"	248	160	120	29.2	48.8 - 49.2	13	49.1 - 49.4	12.7	7.2
	2"	286	180	140	37.3	61.2 - 61.7	16	61.1 - 61.4	15.9	10.8
#900 #1500	1/2"	193	125	111	13.0	21.8 - 22.2	10	22.2 - 22.5	9.7	4.2
	3/4"	193	125	111	13.0	27.2 - 27.6	13	27.7 - 28.0	12.7	4.2
	1"	248	160	120	19.0	33.9 - 34.3	13	34.5 - 34.8	12.7	7.3
	1-1/4"	248	160	120	29.2	42.7 - 43.1	13	43.2 - 43.5	12.7	7.2
	1-1/2"	286	180	140	29.2	48.8 - 49.2	13	49.1 - 49.4	12.7	10.8
	2"	323	180	144	37.3	61.2 - 61.7	16	61.1 - 61.4	15.9	16.5

### - DIMENSION TABLE (RF FLANGE End)

CLASS	SIZE	H	W	L	d	D	G	C	A	T	F	N x M	WEIGHT (KG)
#150	1/2"	155	100	108	13.0	15.8	35.1	60.5	88.9	11.2	1.6	4x15.8	1.9
	3/4"	155	100	117	13.0	20.9	43.0	69.9	98.6	12.7	1.6	4x15.8	2.2
	1"	193	125	127	19.0	26.7	50.8	79.3	108.0	14.3	1.6	4x15.8	4.1
	1-1/2"	248	160	165	29.2	40.9	73.2	98.6	127.0	17.6	1.6	4x15.8	7.2
	2"	286	180	178	37.3	52.6	92.0	120.7	152.4	19.1	1.6	4x19.1	10.8
#300	1/2"	155	100	140	13.0	15.8	35.1	66.6	95.3	14.3	1.6	4x15.8	2.6
	3/4"	155	100	152	13.0	20.9	43.0	82.6	117.4	15.8	1.6	4x19.1	3.3
	1"	193	125	165	19.0	26.7	50.8	88.9	124.0	17.6	1.6	4x19.1	5.5
	1-1/2"	248	160	190	29.2	40.9	73.2	114.3	155.5	19.1	1.6	4x22.2	9.9
	2"	286	180	216	37.3	52.6	92.0	127.0	165.1	22.4	1.6	8x19.1	13.9
#600	1/2"	155	100	165	13.0	15.8	35.1	66.6	95.3	20.9	6.4	4x15.8	2.7
	3/4"	155	100	190	13.0	20.9	43.0	82.6	117.4	22.2	6.4	4x19.1	3.6
	1"	193	125	216	19.0	26.7	50.8	88.9	124.0	23.9	6.4	4x19.1	5.8
	1-1/2"	248	160	241	29.2	40.9	73.2	114.3	155.5	28.8	6.4	4x22.2	10.5
	2"	286	180	292	37.3	52.6	92.0	127.0	165.1	31.8	6.4	8x19.1	15.2