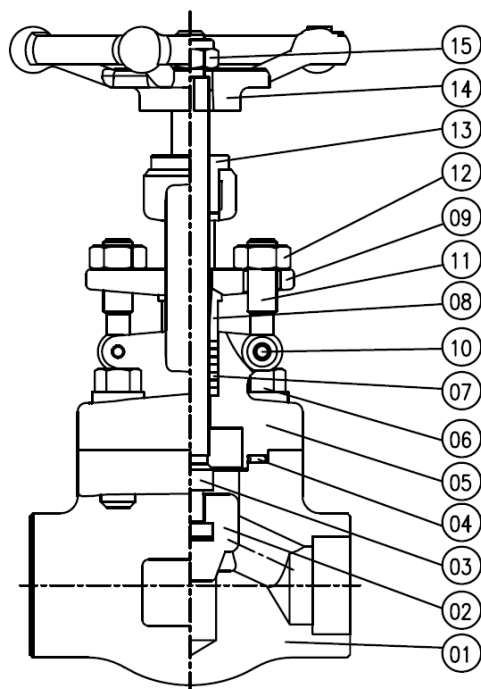


CLASS 150 ~ 1500 GLOBE VALVE – OS&Y, BB TYPE



SPECIFICATIONS

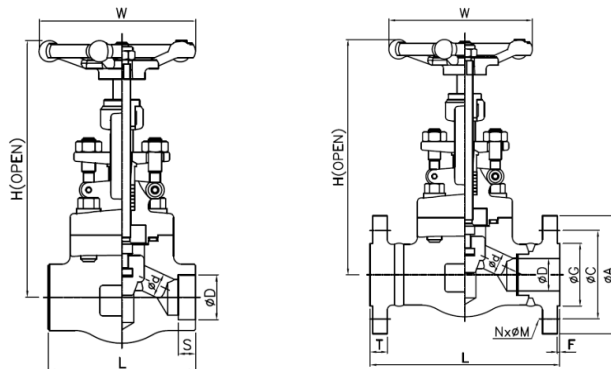
- 1) Valve Size: 1/2" ~ 2"
- 2) Applicable Rating: ASME 150# ~1500#
- 3) Temperature: Up to 500°C
- 4) Code & Standard: API, BS, ASME, ASTM
Designed by ASME B16.11 / 16.34 / 16.5,
API 602
- 5) Constructions
 - * End Connection: Socket-Welded or Flanged Type
 - * OS & Y, BB (=Bolted Bonnet) Type
 - *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

SHELL & SEAT LEAKAGE TEST PRESSURE(A105)				
CLASS	SHELL (kgf/cm ²)		SEAT (kgf/cm ²)	
	WATER	AIR	WATER	
150#	32	-	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	DISC	A217-CA15	A276-304	A217-CA15	A276-304(L)	A276-316(L)
03	STEM	A276-410	A276-304	A276-410	A276-304(L)	A276-316(L)
04	GASKET	Graphite	Graphite	Graphite	Graphite	Graphite
05	BONNET	A105	LF2	F11	F304(L)	F316(L)
06	BONNET BOLT	A193-B7	A320-L7	A193-B16	A193-B8	A193-B8
07	GLAND PACKING	Graphite	Graphite	Graphite	Graphite	Graphite
08	GLAND	304L	304L	304L	304L	304L
09	GLAND FLANGE	A105	A105	A105	F316	F316
10	EYE BOLT PIN	A276-304	A276-304	A276-304	A276-304	A276-304
11	EYE BOLT	A193-B8	A193-B8	A193-B8	A193-B8	A193-B8
12	EYE BOLT NUT	A194-2H	A194-2H	A194-2H	A194-8	A194-8
13	SLEEVE	A276-410	A276-410	A276-410	A276-410	A276-410
14	HAND WHEEL	A47	A47	A47	A47	A47
15	WHEEL NUT	A108-1020	A108-1020	A108-1020	A108-1020	A108-1020

CLASS 150 ~ 1500 GLOBE 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"	164	100	79	10	21.8 - 22.2	10	22.2 - 22.5	9.7	2.0
	3/4"	164	100	92	14	27.2 - 27.6	13	27.7 - 28.0	12.7	2.3
	1"	201	125	111	18	33.9 - 34.3	13	34.5 - 34.8	12.7	4.2
	1-1/4"	260	160	152	24	42.7 - 43.1	13	43.2 - 43.5	12.7	8.5
	1-1/2"	260	160	152	30	48.8 - 49.2	13	49.1 - 49.4	12.7	8.2
	2"	289	180	172	35	61.2 - 61.7	16	61.1 - 61.4	15.9	12.3
#900 #1500	1/2"	201	125	111	10	21.8 - 22.2	10	22.2 - 22.5	9.7	4.4
	3/4"	201	125	111	14	27.2 - 27.6	13	27.7 - 28.0	12.7	4.2
	1"	260	160	152	18	33.9 - 34.3	13	34.5 - 34.8	12.7	8.5
	1-1/4"	260	160	152	24	42.7 - 43.1	13	43.2 - 43.5	12.7	8.4
	1-1/2"	289	180	172	30	48.8 - 49.2	13	49.1 - 49.4	12.7	12.3
	2"	379	180	203	35	61.2 - 61.7	16	61.1 - 61.4	15.9	19.6

- 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"	164	100	108	10	15.8	35.1	60.5	88.9	11.2	1.6	4x15.8	2.5
	3/4"	164	100	117	14	20.9	43.0	69.9	98.6	12.7	1.6	4x15.8	3.1
	1"	201	125	127	18	26.7	50.8	79.3	108.0	14.3	1.6	4x15.8	5.4
	1-1/2"	260	160	165	30	40.9	73.2	98.6	127.0	17.6	1.6	4x15.8	9.9
	2"	289	180	203	35	52.6	92.0	120.7	152.4	19.1	1.6	4x19.1	15.0
#300	1/2"	164	100	152	10	15.8	35.1	66.6	95.3	14.3	1.6	4x15.8	2.7
	3/4"	164	100	178	14	20.9	43.0	82.6	117.4	15.8	1.6	4x19.1	3.5
	1"	201	125	203	18	26.7	50.8	88.9	124.0	17.6	1.6	4x19.1	5.8
	1-1/2"	260	160	229	30	40.9	73.2	114.3	155.5	19.1	1.6	4x22.2	10.9
	2"	289	180	267	35	52.6	92.0	127.0	165.1	22.4	1.6	8x19.1	15.7
#600	1/2"	164	100	165	10	15.8	35.1	66.6	95.3	20.9	6.4	4x15.8	2.8
	3/4"	164	100	191	14	20.9	43.0	82.6	117.4	22.2	6.4	4x19.1	3.7
	1"	201	125	216	18	26.7	50.8	88.9	124.0	23.9	6.4	4x19.1	5.9
	1-1/2"	260	160	241	30	40.9	73.2	114.3	155.5	28.8	6.4	4x22.2	11.3
	2"	289	180	292	35	52.6	92.0	127.0	165.1	31.8	6.4	8x19.1	16.3