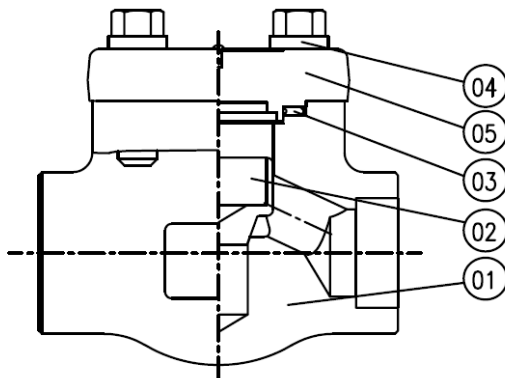
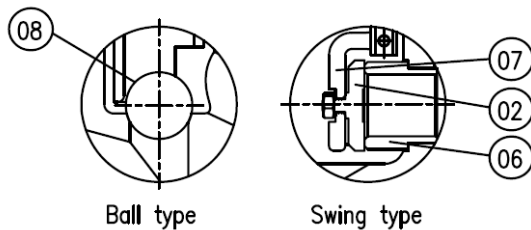


CLASS 150 ~ 1500 CHECK VALVE – BC TYPE



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
 - * BC (=Bolted Cover) Type
 - * Full Bore / Reduce Bore

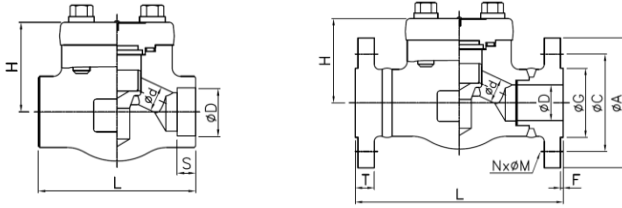


CLASS	SHELL & SEAT LEAKAGE TEST PRESSURE(A105)		
	SHELL (kgf/cm ²)		SEAT (kgf/cm ²)
	WATER	AIR	WATER
150#	32	-	23
300#	80		58
600#	157		115
800#	211		155
900#	236		172
1500#	393		287

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	GASKET	Graphite	Graphite	Graphite	Graphite	Graphite
04	COVER	A105	LF2	F11	F304(L)	F316(L)
05	COVER BOLT	A193-B7	A320-L7	A193-B16	A193-B8	A193-B8
06	SEAT RING	A276-410	A276-304	A276-410	A276-304(L)	A276-316(L)
07	HINGE	A351-CF8M	A351-CF8M	A351-CF8M	A351-CF8M	A351-CF8M
08	BALL	A276-304	A276-304	A276-304	A276-304	A276-316

CLASS 150 ~ 1500 LIFT CHECK VALVE – BC 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

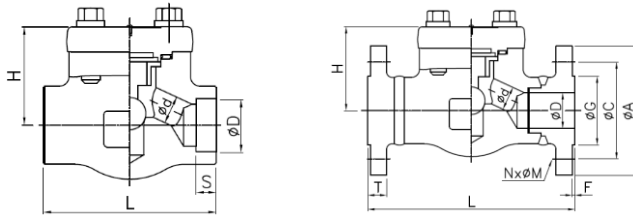
- DIMENSION TABLE (Socket Welding End)

CLASS	SIZE	H	L	d	ANSI		JIS		WEIGHT (KG)
					D	S	D	S	
#150 #300 #600 #800	1/2"	48	79	10	21.8 - 22.2	10	22.2 - 22.5	9.7	1.3
	3/4"	48	92	14	27.2 - 27.6	13	27.7 - 28.0	12.7	1.6
	1"	63	111	18	33.9 - 34.3	13	34.5 - 34.8	12.7	2.9
	1-1/4"	85	152	24	42.7 - 43.1	13	43.2 - 43.5	12.7	6.2
	1-1/2"	85	152	30	48.8 - 49.2	13	49.1 - 49.4	12.7	6.0
	2"	104	172	35	61.2 - 61.7	16	61.1 - 61.4	15.9	9.7
#900 #1500	1/2"	63	111	10	21.8 - 22.2	10	22.2 - 22.5	9.7	2.9
	3/4"	63	111	14	27.2 - 27.6	13	27.7 - 28.0	12.7	2.9
	1"	85	152	18	33.9 - 34.3	13	34.5 - 34.8	12.7	6.2
	1-1/4"	85	152	24	42.7 - 43.1	13	43.2 - 43.5	12.7	9.7
	1-1/2"	104	172	30	48.8 - 49.2	13	49.1 - 49.4	12.7	9.7
	2"	146	203	35	61.2 - 61.7	16	61.1 - 61.4	15.9	12.3

- DIMENSION TABLE (RF FLANGE End)

CLASS	SIZE	H	L	d	D	G	C	A	T	F	N x M	WEIGHT (KG)
#150	1/2"	48	108	10	15.8	35.1	60.5	88.9	11.2	1.6	4x15.8	1.8
	3/4"	48	117	14	20.9	43.0	69.9	98.6	12.7	1.6	4x15.8	2.4
	1"	63	127	18	26.7	50.8	79.3	108.0	14.3	1.6	4x15.8	4.1
	1-1/2"	85	165	30	40.9	73.2	98.6	127.0	17.6	1.6	4x15.8	7.8
	2"	104	203	35	52.6	92.0	120.7	152.4	19.1	1.6	4x19.1	12.4
#300	1/2"	48	152	10	15.8	35.1	66.6	95.3	14.3	1.6	4x15.8	2.1
	3/4"	48	178	14	20.9	43.0	82.6	117.4	15.8	1.6	4x19.1	2.9
	1"	63	203	18	26.7	50.8	88.9	124.0	17.6	1.6	4x19.1	4.5
	1-1/2"	85	229	30	40.9	73.2	114.3	155.5	19.1	1.6	4x22.2	8.7
	2"	104	267	35	52.6	92.0	127.0	165.1	22.4	1.6	8x19.1	13.1
#600	1/2"	48	165	10	15.8	35.1	66.6	95.3	20.9	6.4	4x15.8	2.2
	3/4"	48	191	14	20.9	43.0	82.6	117.4	22.2	6.4	4x19.1	3.0
	1"	63	216	18	26.7	50.8	88.9	124.0	23.9	6.4	4x19.1	4.6
	1-1/2"	86	241	30	40.9	73.2	114.3	155.5	28.8	6.4	4x22.2	9.1
	2"	104	292	35	52.6	92.0	127.0	165.1	31.8	6.4	8x19.1	13.7

CLASS 150 ~ 1500 BALL CHECK VALVE – BC 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

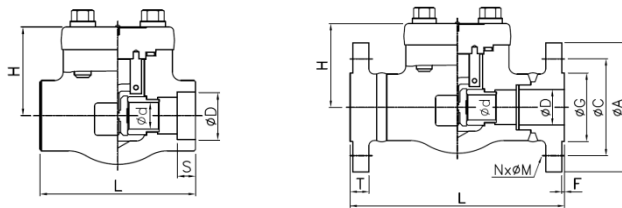
- DIMENSION TABLE (Socket Welding End)

CLASS	SIZE	H	L	d	ANSI		JIS		WEIGHT (KG)
					D	S	D	S	
#150 #300 #600 #800	1/2"	48	79	10	21.8 - 22.2	10	22.2 - 22.5	9.7	1.3
	3/4"	48	92	14	27.2 - 27.6	13	27.7 - 28.0	12.7	1.6
	1"	63	111	18	33.9 - 34.3	13	34.5 - 34.8	12.7	2.9
	1-1/4"	85	152	24	42.7 - 43.1	13	43.2 - 43.5	12.7	6.2
	1-1/2"	85	152	30	48.8 - 49.2	13	49.1 - 49.4	12.7	6.0
	2"	104	172	35	61.2 - 61.7	16	61.1 - 61.4	15.9	9.7
#900 #1500	1/2"	63	111	10	21.8 - 22.2	10	22.2 - 22.5	9.7	2.9
	3/4"	63	111	14	27.2 - 27.6	13	27.7 - 28.0	12.7	2.9
	1"	85	152	18	33.9 - 34.3	13	34.5 - 34.8	12.7	6.2
	1-1/4"	85	152	24	42.7 - 43.1	13	43.2 - 43.5	12.7	9.7
	1-1/2"	104	172	30	48.8 - 49.2	13	49.1 - 49.4	12.7	9.7
	2"	146	203	35	61.2 - 61.7	16	61.1 - 61.4	15.9	12.3

- DIMENSION TABLE (RF FLANGE End)

CLASS	SIZE	H	L	d	D	G	C	A	T	F	N x M	WEIGHT (KG)
#150	1/2"	48	108	10	15.8	35.1	60.5	88.9	11.2	1.6	4x15.8	1.8
	3/4"	48	117	14	20.9	43.0	69.9	98.6	12.7	1.6	4x15.8	2.4
	1"	63	127	18	26.7	50.8	79.3	108.0	14.3	1.6	4x15.8	4.1
	1-1/2"	85	165	30	40.9	73.2	98.6	127.0	17.6	1.6	4x15.8	7.8
	2"	104	203	35	52.6	92.0	120.7	152.4	19.1	1.6	4x19.1	12.4
#300	1/2"	48	152	10	15.8	35.1	66.6	95.3	14.3	1.6	4x15.8	2.1
	3/4"	48	178	14	20.9	43.0	82.6	117.4	15.8	1.6	4x19.1	2.9
	1"	63	203	18	26.7	50.8	88.9	124.0	17.6	1.6	4x19.1	4.5
	1-1/2"	85	229	30	40.9	73.2	114.3	155.5	19.1	1.6	4x22.2	8.7
	2"	104	267	35	52.6	92.0	127.0	165.1	22.4	1.6	8x19.1	13.1
#600	1/2"	48	165	10	15.8	35.1	66.6	95.3	20.9	6.4	4x15.8	2.2
	3/4"	48	191	14	20.9	43.0	82.6	117.4	22.2	6.4	4x19.1	3.0
	1"	63	216	18	26.7	50.8	88.9	124.0	23.9	6.4	4x19.1	4.6
	1-1/2"	86	241	30	40.9	73.2	114.3	155.5	28.8	6.4	4x22.2	9.1
	2"	104	292	35	52.6	92.0	127.0	165.1	31.8	6.4	8x19.1	13.7

CLASS 150 ~ 1500 SWING CHECK VALVE – BC 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	L	d	ANSI		JIS		WEIGHT (KG)
					D	S	D	S	
#150 #300 #600 #800	1/2"	48	79	13.0	21.8 - 22.2	10	22.2 - 22.5	9.7	1.3
	3/4"	48	92	13.0	27.2 - 27.6	13	27.7 - 28.0	12.7	1.6
	1"	63	111	19.0	33.9 - 34.3	13	34.5 - 34.8	12.7	2.9
	1-1/4"	85	120	29.5	42.7 - 43.1	13	43.2 - 43.5	12.7	6.2
	1-1/2"	85	120	29.5	48.8 - 49.2	13	49.1 - 49.4	12.7	6.0
	2"	104	140	37.0	61.2 - 61.7	16	61.1 - 61.4	15.9	9.7
#900 #1500	1/2"	63	111	13.0	21.8 - 22.2	10	22.2 - 22.5	9.7	2.9
	3/4"	63	111	13.0	27.2 - 27.6	13	27.7 - 28.0	12.7	2.9
	1"	85	120	19.0	33.9 - 34.3	13	34.5 - 34.8	12.7	6.2
	1-1/4"	85	140	29.5	42.7 - 43.1	13	43.2 - 43.5	12.7	9.7
	1-1/2"	104	140	29.5	48.8 - 49.2	13	49.1 - 49.4	12.7	9.7
	2"	146	144	37.0	61.2 - 61.7	16	61.1 - 61.4	15.9	11.0

- DIMENSION TABLE (RF FLANGE End)

CLASS	SIZE	H	L	d	D	G	C	A	T	F	N x M	WEIGHT (KG)
#150	1/2"	48	108	13.0	15.8	35.1	60.5	88.9	11.2	1.6	4x15.8	1.8
	3/4"	48	117	13.0	20.9	43.0	69.9	98.6	12.7	1.6	4x15.8	2.3
	1"	63	127	19.0	26.7	50.8	79.3	108.0	14.3	1.6	4x15.8	3.9
	1-1/2"	85	165	29.5	40.9	73.2	98.6	127.0	17.6	1.6	4x15.8	7.7
	2"	104	203	37.0	52.6	92.0	120.7	152.4	19.1	1.6	4x19.1	12.2
#300	1/2"	48	152	13.0	15.8	35.1	66.6	95.3	14.3	1.6	4x15.8	2.1
	3/4"	48	178	13.0	20.9	43.0	82.6	117.4	15.8	1.6	4x19.1	2.9
	1"	63	216	19.0	26.7	50.8	88.9	124.0	17.6	1.6	4x19.1	4.5
	1-1/2"	85	241	29.5	40.9	73.2	114.3	155.5	19.1	1.6	4x22.2	8.2
	2"	104	267	37.0	52.6	92.0	127.0	165.1	22.4	1.6	8x19.1	13.1
#600	1/2"	48	165	13.0	15.8	35.1	66.6	95.3	20.9	6.4	4x15.8	2.2
	3/4"	48	191	13.0	20.9	43.0	82.6	117.4	22.2	6.4	4x19.1	3.0
	1"	63	216	19.0	26.7	50.8	88.9	124.0	23.9	6.4	4x19.1	4.7
	1-1/2"	86	241	29.5	40.9	73.2	114.3	155.5	28.8	6.4	4x22.2	9.3
	2"	104	292	37.0	52.6	92.0	127.0	165.1	31.8	6.4	8x19.1	14.1