

## BRONZE SWING CHECK VALVE



### FEATURES & SPECIFICATIONS

Class: 150LB~1500LB

Size: 2" ~ 30" (50~750mm)

Standard swing type disc

Standard renewable seat welded with Stellite 6

BC, bolted cover

Non-penetrate disc shaft

Horizontal or vertical service

Flanged or butt-welding ends

Design: ASME B16.34/AS1868

Face to face: ASME B16.10

End flange: ASME B16.5/B16.47

Inspection & testing: API598

Applicable medium: water, sea water, sewage, oil, gas

Applicable temperature:  $\leq 250^{\circ}\text{C}$  (higher temperature is available)

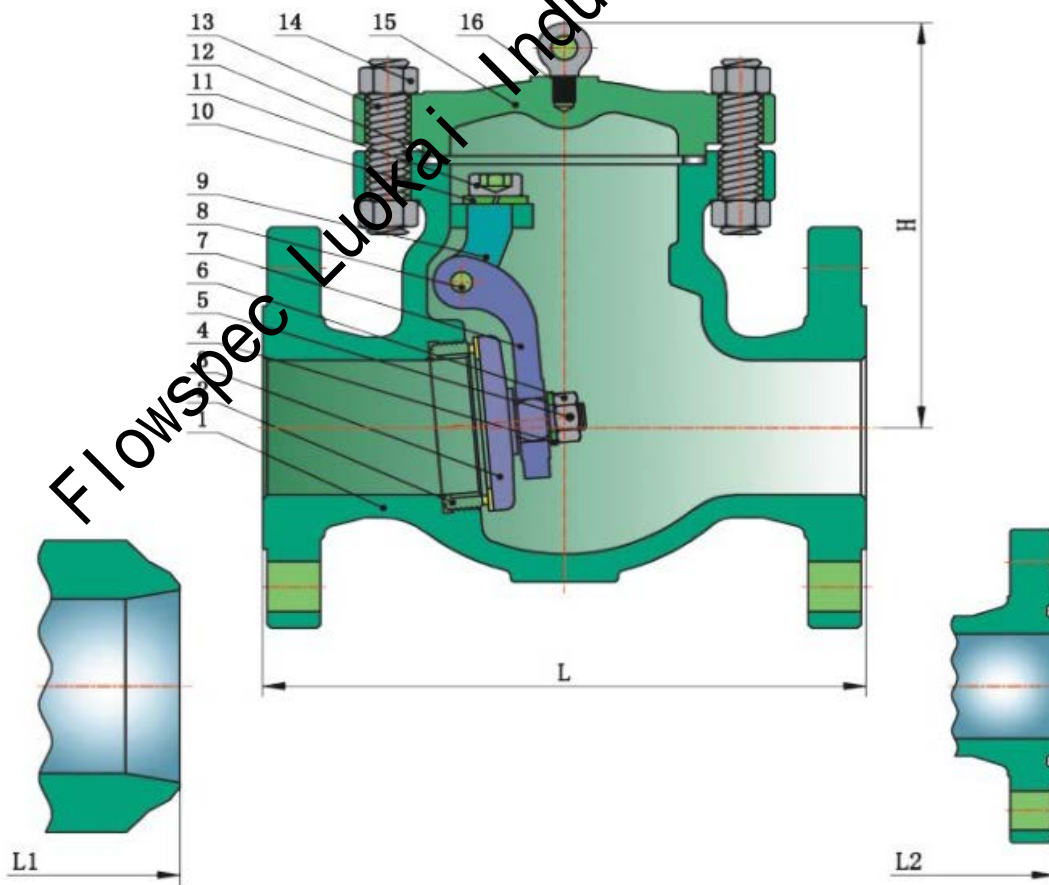
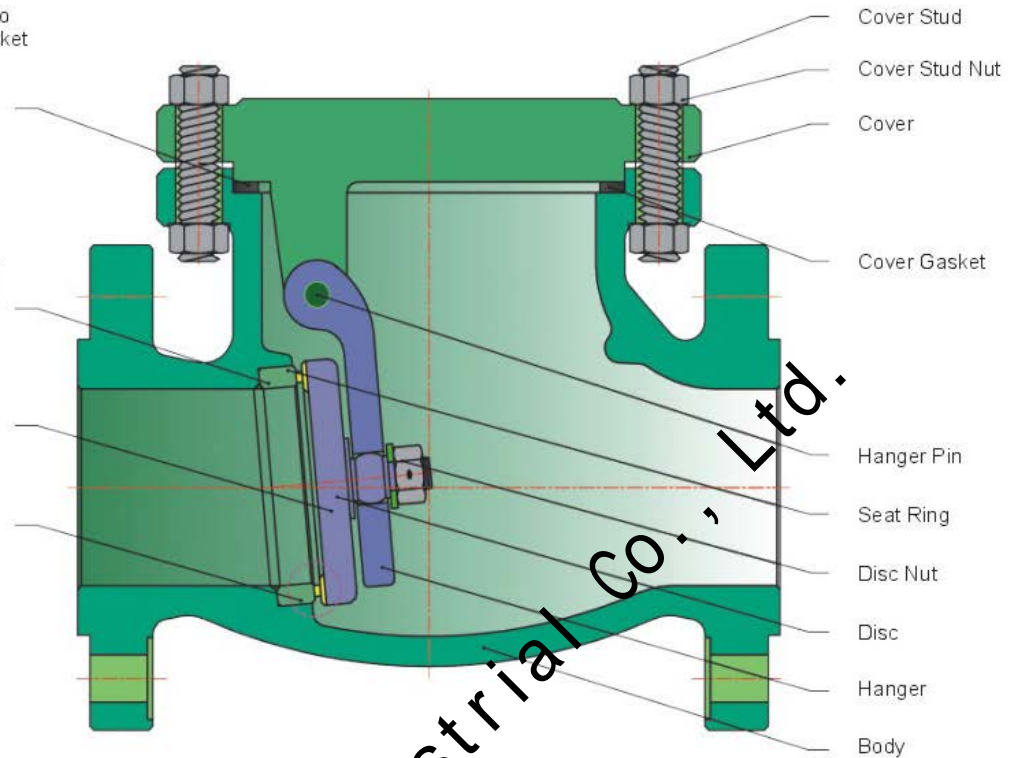


Body to Cover Joint designed to apply a uniform load to the gasket to assure a leak proof seal. Seat Rings are seal welded to provide a bubble tight joint.

Disc to Hanger connection allows the disc a controlled movement independent of the hanger to assure proper disc alignment with the seat at closure.

The connection is secured by a welded disc nut to prevent disassembly due to vibration and closure impact.

Stellited Seat Ring provides increased resistance to wear abrasion and erosion of the sealing surface.



### MAIN PARTS AND MATERIALS

ITEM	PART NAME	MATERIAL
1	Body	B148 C95500, C95400, C95800, C95200, C92200, C83600, C84400, C90500
2	Seat Ring	ASTM A276 304
3	Disc	B148 C95500, C95400, C95800, C95200, C92200, C83600, C84400, C90500
4	Disc Washer	ASTM A276 304
5	Disc Nut Pin	ASTM A276 304
6	Disc Nut	ASTM A276 304
7	Hinge	B148 C95500, C95400, C95800, C95200, C92200, C83600, C84400, C90500
8	Hinge Pin	ASTM A182 GR.F304
9	Bearing Bracket	B148 C95500, C95400, C95800, C95200, C92200, C83600, C84400, C90500
10	Spring Washer	ASTM A276 304
11	Hex, Bolt	ASTM A276 304
12	Gasket	ASTM A276 304 + Graphite
13	Cover Bolt	ASTM A193 B8
14	Cover Bolt Nut	ASTM A194 8
15	Cover	B148 C95500, C95400, C95800, C95200, C92200, C83600, C84400, C90500
16	Eye Bolt	Carbon Steel

### DIMENSIONS & WEIGHTS

**CL150LB**

Size		L/L 1		L2		H		Weight RF
in	mm	in	mm	in	mm	in	mm	kg
2"	50	8	203	8.5	216	6.1	155	19
2.5"	65	8.5	216	9	229	6.7	170	26
3"	80	9.5	241	10	254	7.09	180	29
4"	100	11	292	12	305	8.66	220	46
6"	150	14	356	14.5	368	10.55	268	77
8"	200	19.5	495	20	508	12.2	310	163
10"	250	24.5	622	25	635	14.57	370	220
12"	300	27.5	699	28	711	16.73	425	366
14"	350	31	787	31.5	800	18.7	475	428
16"	400	34	864	34.5	876	20.67	525	555
18"	700	38.5	978	39	991	22.83	580	775
20"	450	38.5	978	39	991	24.72	628	835
24"	500	51	1295	51.5	1308	34.72	882	1180
30"	750	60	1524	-----	-----	38.27	972	1960



**DIMENSIONS & WEIGHTS**

**CL300LB**

Size		L/L 1		L2		H		Weight RF
in	mm	in	mm	in	in	mm	in	mm
2"	50	10.5	267	11.12	283	6.89	175	21
2.5"	65	11.5	292	12.12	308	7.28	185	30
3"	80	12.5	318	13.12	333	7.8	198	39
4"	100	14	356	14.62	371	9.25	235	69
6"	150	17.5	445	18.12	460	11.1	282	125
8"	200	21	533	21.62	549	13.19	335	210
10"	250	24.5	622	25.12	638	15.15	385	307
12"	300	28	711	28.62	727	18.11	460	450
14"	350	33	838	33.62	854	20.47	520	680
16"	400	34	864	34.62	879	21.81	554	840
18"	700	38.5	978	39.12	994	23.62	600	1025
20"	450	40	1016	40.75	1035	26.38	670	1320
24"	500	53	1346	53.88	1368	29.53	750	1960

**DIMENSIONS & WEIGHTS**

**CL600LB**

Size		L/L 1		L2		H		Weight RF
in	mm	in	mm	in	mm	in	mm	kg
2"	50	11.5	292	11.62	295	7.16	182	36
2.5"	65	13	330	13.12	333	7.87	200	49
3"	80	14	356	14.12	359	8.94	227	70
4"	100	17	432	17.12	435	10.24	260	122
6"	150	22	559	22.12	562	12.8	325	269
8"	200	28	660	26.12	663	15.35	390	465
10"	250	31	787	31.12	790	19.29	490	673
12"	300	33	838	33.12	841	20.79	528	875
14"	350	35	889	35.12	892	22.56	572	944
16"	400	39	991	39.12	994	25.98	660	1220
18"	700	43	1092	43.12	1095	28.35	720	1620
20"	450	47	1194	47.25	1200	29.37	746	2120
24"	500	55	1397	55.38	1407	37.8	960	3100



**DIMENSIONS & WEIGHTS**

**CL900LB**

Size		L/L 1		L2		H		Weight RF
in	mm	in	mm	in	in	mm	in	mm
2"	50	14.5	368	14.62	371	11.65	296	70
2.5"	65	16.5	419	16.62	422	11.81	300	100
3"	80	15	381	15.12	384	11.81	300	91
4"	100	18	457	18.12	460	12.87	327	150
6"	150	24	610	24.12	613	17.36	441	305
8"	200	29	737	29.12	740	19.76	502	510
10"	250	33	838	33.12	841	26.14	664	810
12"	300	38	965	38.12	968	30.51	775	1120

**DIMENSIONS & WEIGHTS**

**CL1500LB**

Size		L/L 1		L2		H		Weight RF
in	mm	in	mm	in	mm	mm	mm	kg
2"	50	14.5	368	14.62	371	11.65	296	70
2.5"	65	16.5	419	16.62	422	11.81	300	100
3"	80	18.5	470	18.62	473	13.43	341	150
4"	100	21.5	546	21.62	549	16.22	412	245
6"	150	27.75	705	28	711	20.12	511	550
8"	200	32.75	832	33.13	841	26.77	680	1010
10"	250	39	991	39.38	1000	29.76	756	1550
12"	300	44.5	1130	45.12	1146	33.74	857	2280

**Notes**

As we are constant endeavoring to improve the performance of our equipment.

The company reserves the right to make alteration from time to time and equipment differ from that detailed in this brochure.