

L & T SWING CHECK VALVES

A check valve is a one-way swing-type valve and bolted-cover construction, in which the flow can run freely one way, but if the flow turns, the valve will close to protect the piping, other valves, pumps etc. If the flow turns and no check valve is installed, water hammer can occur. They conform to BS 1868 and meet the general requirements of API 600, including shell wall thickness.

Product Application:

- Process industries: Oil, chemical, petrochemical, refining, pulp and paper, pharmaceutical, mining, food processing and water treatment.
- Power Industries: nuclear, fossil fuel (coal and gas), and renewable and district heating.
- Upstream and midstream industries: offshore production platforms, LNG Liquefaction and regasification terminals, tankers carriers and tank farms, and ship-building.

Standard materials of construction:

Description	Material
Body	ASTM A216 Gr. WCB
Body Seat Ring	ASTM A105 + Hard-Faced with Stellite #6 or equivalent
Disc	ASTM A216 Gr. WCB + 13% Cr. Steel
Hinge	ASTM A216 Gr. WCB
Disc Washer	13% Cr. Steel
Disc Nut	SS 304
Disc Nut Pin	13% Cr. Steel
Hinge Pin	13% Cr. Steel
Gasket	ASTM A308
Cover	ASTM A216 Gr. WCB
Stud	ASTM A193 Gr. B7
Stud Nut	ASTM A194 Gr. 2H
Hinge Pin Cover	ASTM A105
Hinge Pin Cover Bolt	ASTM A193 Gr. B7
Nameplate	SS 304

Dimensions (in mm, unless specified) & Weights (in KG):

Valve Size	Class 150					Class 300					Class 600				
	A		B	Approx. Wt.		A		B	Approx. Wt.		A		B	Approx. Wt.	
	Fl	B/W		Fl	B/W	Fl	B/W		Fl	B/W	Fl	B/W		Fl	B/W
50 (2")	203	203	165	21	19	267	267	165	24	19	292	292	178	35	30
65 (2 1/2")	216	216	175	24	20	-	-	-	-	-	-	-	-	-	-
80 (3")	241	241	181	34	30	317	317	190	45	36	356	356	203	55	46
100 (4")	292	292	213	49	42	356	356	229	70	56	432	432	229	92	70
150 (6")	356	356	273	88	79	444	444	279	151	129	559	559	365	204	161
200 (8")	495	495	335	168	154	533	533	343	242	210	661	661	442	323	260
250 (10")	622	622	406	280	260	622	622	368	333	284	787	787	450	550	455
300 (12")	698	698	483	413	382	711	711	412	450	378	838	838	590	790	680
350 (14")	788	788	515	509	466	839	839	559	659	556	-	-	-	-	-
400 (16")	864	864	455	580	524	864	864	636	873	747	-	-	-	-	-
450 (18")	978	978	500	635	583	978	978	562	1090	900	-	-	-	-	-
500 (20")	978	978	675	925	855	1016	1016	675	1360	1176	-	-	-	-	-
600 (24")	1295	1295	780	1500	1403	1346	1346	790	1850	1573	-	-	-	-	-

Fl = Flanged; B/W = Butt Weld