



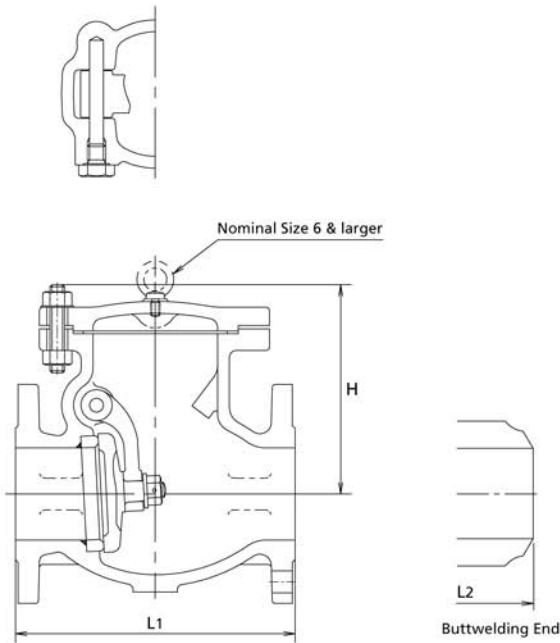
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Cast Carbon Steel Check Valve  
Swing Type, Design - API 594, Wall Thickness - API 600, Bolted Cap,  
RFF per B16.5, BW per B16.25, LEV - 100 PPM max.,  
Body Materials - ASTM A216, A217, A352

Class 150

Cast Carbon Steel Check Valve

Bolted cover, Swing type disc.



150SCOS

Fig	End Connections
150SCOS	RF-flanged ends.
W150SCOS	Butt-welding ends.

Standard materials of parts

Parts	Materials
Body	ASTM A216 Gr.WCB
Cover	ASTM A105/A216 Gr.WCB
Disc	13Cr/Carbon Steel+13Cr
Disc nut	ASTM A194 Gr.8
Body seat ring	Carbon Steel+HF*
Cover bolt/nut	ASTM A193 Gr.B7/A194 Gr.2H
Arm	ASTM A105 (1 1/2 - 14) ASTM A216 Gr.WCB (16and larger)
Gasket	See Page 6
Plug	ASTM A576 Gr.1045

\*Hard facing with Co-Cr-W Alloy.  
Note: Refer to Page 3&6 for standard seat material and construction.

Dimensions

Nominal Size		1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30
		40	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	750
L1	in	6.50	8.00	8.50	9.50	11.50	13.00	14.00	19.50	24.50	27.50	31.00	34.00	38.50	38.50	42.00	51.00	51.00	57.00	60.00
	mm	165	203	216	241	292	330	356	495	622	698	787	864	978	978	1067	1295	1295	1448	1524
L2	in	—	8.00	8.50	9.50	11.50	13.00	14.00	19.50	24.50	27.50	31.00	34.00	38.50	38.50	42.00	51.00	51.00	57.00	60.00
	mm	—	203	216	241	292	330	356	495	622	698	787	864	978	978	1067	1295	1295	1448	1524
H	in	5.3	6.0	6.7	7.1	7.9	9.25	9.8	11.6	13.2	14.5	16.3	18.1	20.1	23.0	23.0	24.8	26.8	28.2	29.9
	mm	135	152	170	180	200	235	250	295	334	368	415	460	510	583	585	630	680	716	760