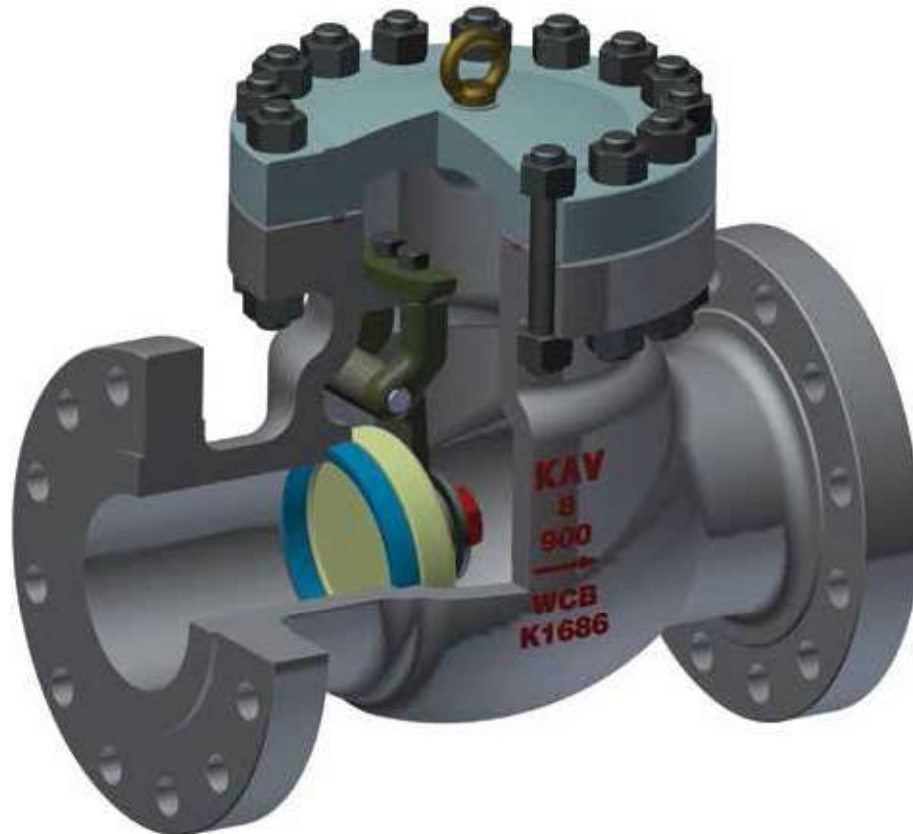
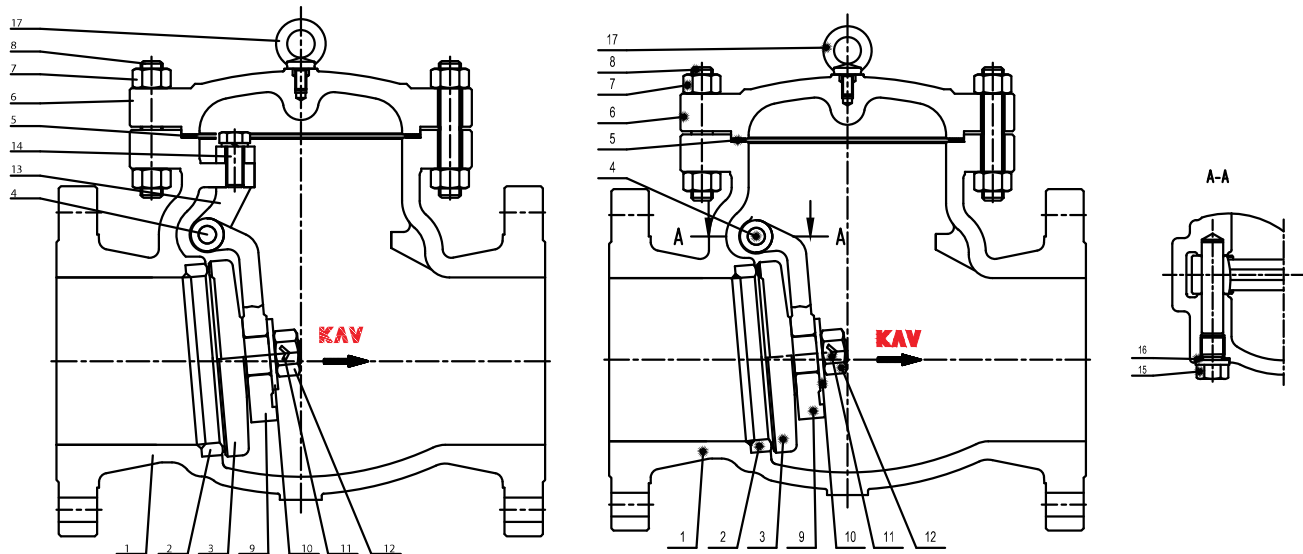


CAST STEEL SWING CHECK VALVE

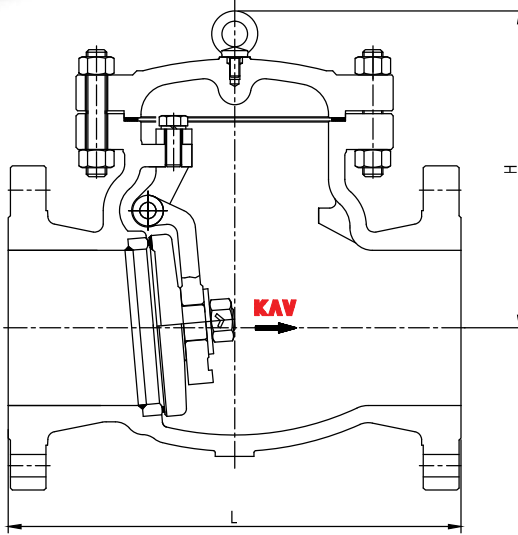


- Straight pattern body design.
- RF ,RTJ or BW end connections.
- Anti-rotation disc.Horizontal or vertical service.
- Renewable or Integral seat rings available.
- Optional internal hinge Pin or External Hinge Pin.
- Optional Full Open according to API 6D
- Optional Piston Type.



STANDARD MATERIALS OF CAST STEEL SWING CHECK VALVE

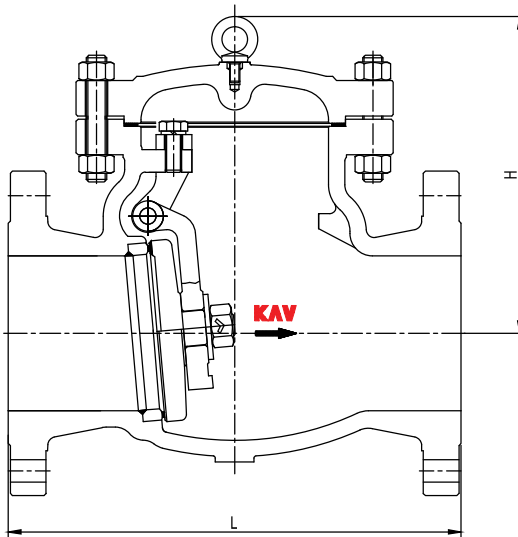
No.	Parts Name	Carbon Steel	Carbon Steel (Low Temp.)	Alloy Steel	Stainless Steel
1	Body	A216 Gr.WCB	A352 Gr.LCB	A217 Gr.WC6	A351 Gr.CF8M
2	Seat Ring	A105	A350 Gr.LF2	A182 Gr.F11	A182 Gr.F316
3	Disc	A216 Gr.WCB	A352 Gr.LCB	A217 Gr.WC6	A351 Gr.CF8M
4	Hinge Pin	As Per Trim			
5	Gasket	SS316+ Graphite or Ring Joint			
6	Bonnet	A216 Gr.WCB	A352 Gr.LCB	A217 Gr.WC6	A351 Gr.CF8M
7	Bonnet Nuts	A193 Gr.2H	A193 Gr.7	A193 Gr.4	A193 Gr.8M
8	Bonnet Studs	A193 Gr.B7	A320 Gr.L7	A193 Gr.B16	A193 Gr.B8M
9	Hinge	A216 Gr.WCB	A352 Gr.LCB	A217 Gr.WC6	A351 Gr.CF8M
10	Disc Washer	A276 T410	A276 T410	A276 T410	A276 T316
11	Cotter Pin	Stainless Steel			
12	Disc Nut	Stainless Steel			
13	Hinge Bracket	A216 Gr.WCB	A352 Gr.LCB	A217 Gr.WC6	A351 Gr.CF8M
14	Bolts	Stainless Steel			
15	Plug	A276 T410	A276 T410	A276 T410	A276 T316
16	Gasket	SS316+ Graphite			
17	Eye Bolt	Carbon Steel			



Design and Manufacture: BS1868
 Face to Face dimensions: ASME B16.10
 Flange Ends: ASME B16.5, ASME B16.47
 BW Ends: ASME B16.25
 Pressure-Temperature Ratings: ASME B16.34
 Pressure Testing: API 598

CLASS 150

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	8"	8.5"	9.5"	11.5"	13"	14"	19.5"	24.5"	27.5"	31"	34"	38.5"	38.5"	51"	51"	57"	60"	68"	77"	85"	89"	101"
	mm	203	216	241	292	330	356	495	622	699	787	864	978	978	1295	1295	1448	1524	1727	1956	2159	2261	2566
H	in	6"	6.7"	7.1"	8.4"	10.6"	12.2"	14.4"	17"	19.8"	22.1"	23.3"	24"	24.7"	31.7"	35.3"	36.8"	38.2"	49.2"	54.2"	55.5"	57.8"	64.6"
	mm	153	169	181	213	268	309	367	432	502	561	592	610	627	804	897	935	970	1250	1377	1410	1468	1642
WT(RF)	kg	15.0	22.0	28.0	42.0	57.0	79.0	131	177	282	380	542	632	855	970	1276	1600	2020	2430	3130	4260	5030	6680
WT(BW)	kg	10.0	12.0	17.0	29.0	45.0	57.0	96	143	227	294	468	552	755	831	1120	1420	1760	2130	2930	3730	4430	5680

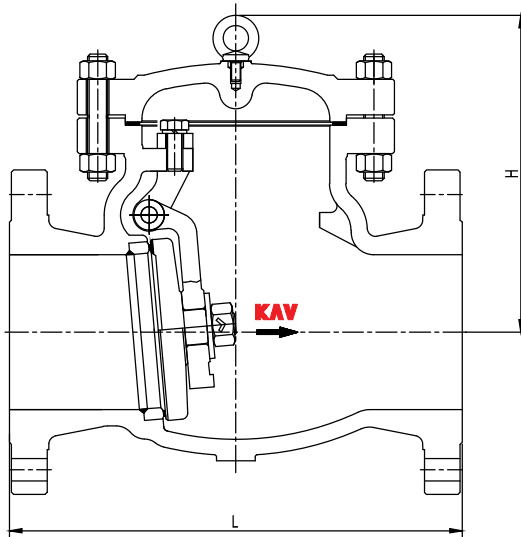


Design and Manufacture: BS1868
 Face to Face dimensions: ASME B16.10
 Flange Ends: ASME B16.5, ASME B16.47
 BW Ends: ASME B16.25
 Pressure-Temperature Ratings: ASME B16.34
 Pressure Testing: API 598

CLASS 300

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	10.5"	11.5"	12.5"	14"	15.75"	17.5"	21"	24.5"	28"	33"	34"	38.5"	40"	53"	53"	59"	62.75"	68"	82"	96"	103"	124"
	mm	267	292	318	356	400	445	533	622	711	838	864	978	1016	1346	1346	1499	1594	1727	2083	2438	2617	3151
H	in	7"	7.2"	9.1"	10.5"	11.2"	12.7"	15.5"	17.9"	21.3"	24"	25.7"	26.6"	27.4"	32.5"	36.6"	45.8"	50"	50"	59.4"	68.9"	73.6"	87.8"
	mm	178	183	231	267	285	323	394	455	541	610	653	675	696	825.5	929.64	1163.32	1270	1270	1510	1750	1870	2230
WT(RF)	kg	20.0	30.0	40.0	65.0	84.0	118.0	193	310	450	595	840	933	1320	1848	2375	2660	3680	3760	5030	6290	7050	9310
WT(BW)	kg	16.0	22.0	30.0	53.0	73.0	101.0	157	232	414	455	766	774	960	1792	1995	2260	2780	3278	4430	5640	6150	8310

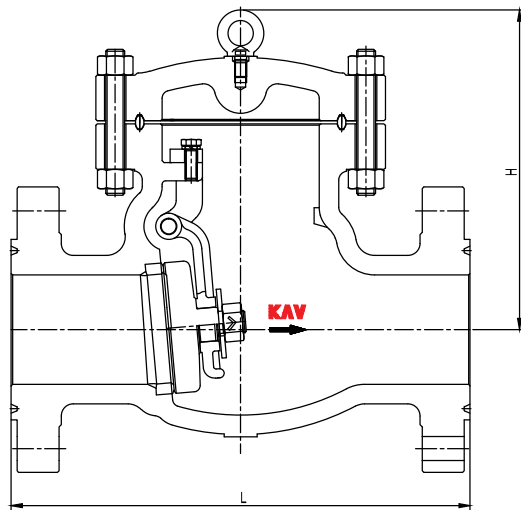
CAST STEEL SWING CHECK VALVE



Design and Manufacture: BS1868
 Face to Face dimensions: ASME B16.10
 Flange Ends: ASME B16.5, ASME B16.47,
 BW Ends: ASME B16.25
 Pressure-Temperature Ratings: ASME B16.34
 Pressure Testing: API 598

CLASS 600

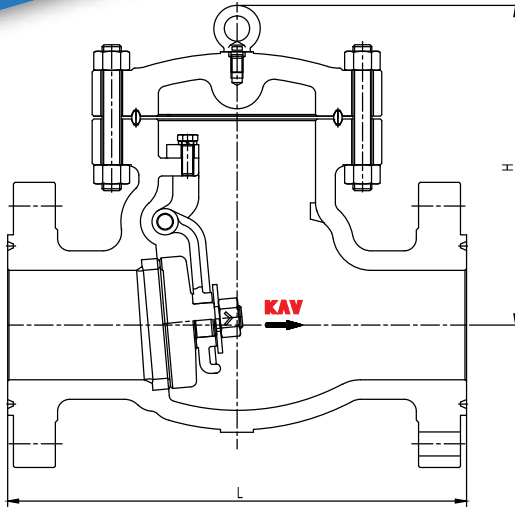
NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	11.5"	13"	14"	17"	20"	22"	26"	31"	33"	35"	39"	43"	47"	55"	57"	63"	65"	70"	82"	90"	96"	100"
	mm	292	330	356	432	508	559	660	787	838	889	991	1092.2	1194	1397	1448	1600	1651	1778	2083	2286	2438	2540
L2(RTJ)	n	11.62"	13.12"	14.12"	17.12"	20.12"	22.12"	26.12"	31.12"	33.12"	35.12"	39.12"	43.12"	47.25"	55.38"	57.5"	63.5"	65.5"	70.6"	82.6"	/	/	/
	mm	295	333	358	435	511	562	663	790	841	892	994	1095	1200	1407	1461	1613	1664	1794	2099	/	/	/
H	in	7.4"	8.3"	9.1"	12.4"	14"	15.6"	18.4"	21.8"	23.2"	26"	28.3"	32.7"	31.9"	38.2"	43.7"	46.9"	52.1"	53.8"	60.7"	67"	70.9"	85.5"
	mm	188	211	231	314.96	356	396	467	554	589	661	719	831	810	970	1110	1191	1323	1367	1542	1702	1801	2172
WT(RF)	kg	30.0	43.0	55.0	93.0	160.0	208.0	339	547	715	885	1310	1620	2120	3100	3800	4600	5500	6800	8100	8900	9900	11100
WT(BW)	kg	21.0	35.0	43.0	64.0	115.0	145.0	256	375	589	694	932	1279	1702	2497	3100	3900	4700	6000	7200	8100	9800	10200



Design and Manufacture: BS1868
 Face to Face dimensions: ASME B16.10
 Flange Ends: ASME B16.5, ASME B16.47,
 BW Ends: ASME B16.25
 Pressure-Temperature Ratings: ASME B16.34
 Pressure Testing: API 598

CLASS 900

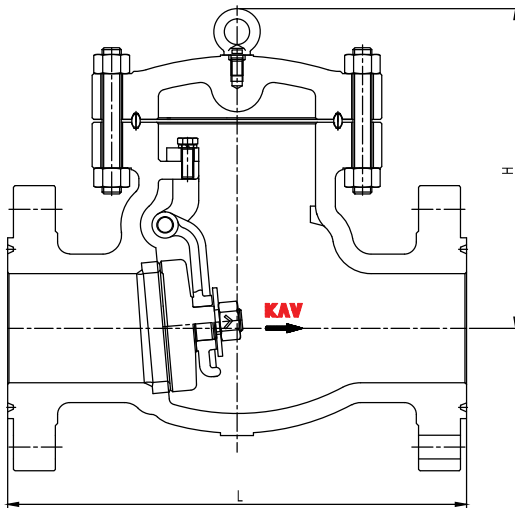
NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L-L1 (RF-BW)	in	14.5"	16.5"	15"	18"	24"	29"	33"	38"	40.5"	44.5"	48"	52"	61"	65"	69"	73"	77"	84.9"
	mm	368	419	381	457	610	737	838	965	1029	1130.3	1219.2	1320.8	1549	1651	1753	1854	1956	2156
L2(RTJ)	n	14.62"	16.62"	15.12"	18.12"	24.12"	29.12"	33.12"	38.12"	40.88"	44.88"	48.5"	52.5"	61.7"	65.9"	69.9"	73.9"	/	/
	mm	371	409	384	460	613	740	841	968	1038	1140	1232	1333.5	1568	1673	1775	1876	/	/
H	in	11.2"	11.8"	12"	13.1"	16.7"	20"	22.9"	25.6"	27"	33"	33.5"	36.7"	36.4"	44.1"	54"	59.9"	65.8"	71.7"
	mm	285	300	305	333	424	508	582	650	686	838	851	932	925	1120	1372	1522	1671	1821
WT(RF)	kg	70.0	100.0	110.0	150.0	305.0	510	810	1120	1380	1900	3000	4000	5200	6600	7550	8850	10150	12750
WT(BW)	kg	50.0	68.0	77.0	113.0	230.0	387	632	901	1139	1139	1613	2650	3550	4650	5630	6420	7510	10780



Design and Manufacture: BS1868
 Face to Face dimensions: ASME B16.10
 Flange Ends: ASME B16.5, ASME B16.47
 BW Ends: ASME B16.25
 Pressure-Temperature Ratings: ASME B16.34
 Pressure Testing: API 598

CLASS 1500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L-L1 (RF-BW)	in	14.5"	16.5"	18.5"	21.5"	27.8"	32.75"	39"	44.5"	49.5"	54.5"	60.5"	65.5"	76.5"	82"	87.5"	93"
	mm	368	419	470	546	706	832	991	1130	1257	1384	1537	1664	1943	2083	2222.5	2362
L2(RTJ)	n	14.62"	16.62"	18.62"	21.62"	28"	33.13"	39.38"	45.12"	50.25"	55.38"	61.4"	66.4"	77.6"	/	/	/
	mm	371	422	473	549	711	842	1000	1146	1276	1407	1560	1687	1971	2083	2223	2362
H	in	11.2"	11.8"	13.1"	14.7"	19.8"	23.9"	25.6"	30.7"	37.4"	40.1"	45.2"	47.2"	60.6"	70.6"	80.7"	90.7"
	mm	284	300	333	373	503	607	650	780	950	1019	1148	1199	1539	1793	2050	2304
WT(RF)	kg	70.0	100.0	150.0	245.0	550.0	1010	1476	2280	3060	4500	6100	8000	9800	11600	13400	15200
WT(BW)	kg	50.0	77.0	115.0	190.0	452.0	750	1012	1780	2290	3500	5200	7500	8400	9300	10200	11100



Design and Manufacture: BS1868
 Face to Face dimensions: ASME B16.10
 Flange Ends: ASME B16.5, ASME B16.47
 BW Ends: ASME B16.25
 Pressure-Temperature Ratings: ASME B16.34
 Pressure Testing: API 598

CLASS 2500

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"
DN	mm	50	65	80	100	150	200	250	300
L-L1 (RF-BW)	in	17.75	20	22.75	26.5	36	40.25	50	56
	mm	451	508	578	673	914	1022	1270	1422.4
L2(RTJ)	n	17.87	20.25	23	26.88	36.5	40.87	50.88	56.88
	mm	454	514	584	683	927	1038	1292	1445
H	in	11.2	16.5	17.4	18.6	20.1	28	33.5	39.4
	mm	284	419	442	472	511	711	851	1000
WT(RF)	kg	70.0	240.0	330.0	650.0	806.0	2420	3750	5500
WT(BW)	kg	50.0	190.0	260.0	535.0	665.0	1980	2980	4350