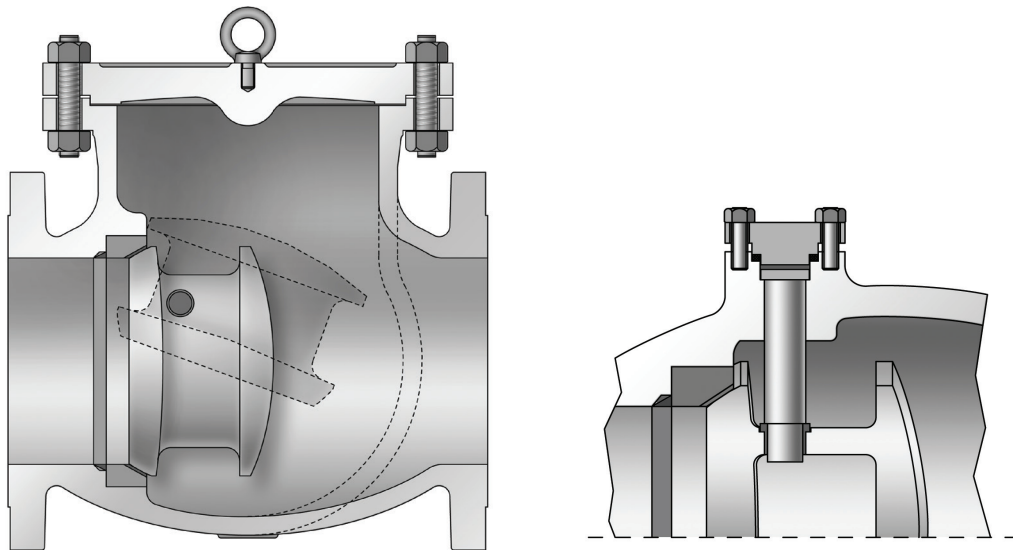


TILTING DISC CHECK VALVE



FUNCTION

Today, higher velocity and pressure of piping often requires a sophisticated check valve rather than conventional swing type valve. PK tilting disc check valve is designed to handle such higher velocities, prevent damages due to turbulence and avoid “water hammer” phenomenon in piping systems, and it is closed quickly and quietly. The valve is closed quickly because its pivot(hinge pins) is shut by a very small arc. Moreover, line fluid flows both over and under the disc, so that valve closing is cushioned by the line fluid itself. By virtue of quick and quiet closing ability, up to now PK tilting disc check valve has earned good reputation as a “non-slam” check valve.

BODY

Body-cover joint of swing-check valve are machined as follows:

Class 150 Male and female.

Class 300 and 600 Male and female.

Class 900 and 1500 Ring type joint.

We can supply any kind of gasket per customer requirements.

SEAT RING

Seat rings are welded into valve bodies in order to prevent turbulence and avoid damage due to corrosion seats, forged or rolled in one piece for all dimensions, heat treated to obtain the required surface hardness, and perfectly cleaned before assembly.

END CONNECTIONS

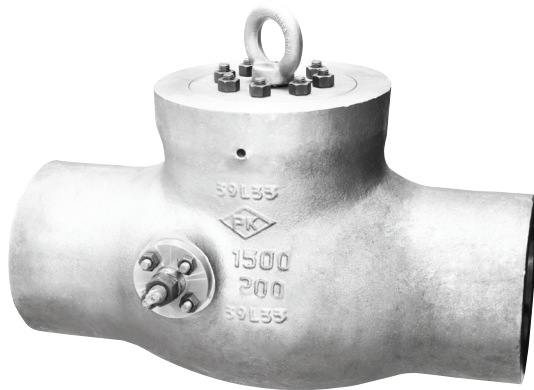
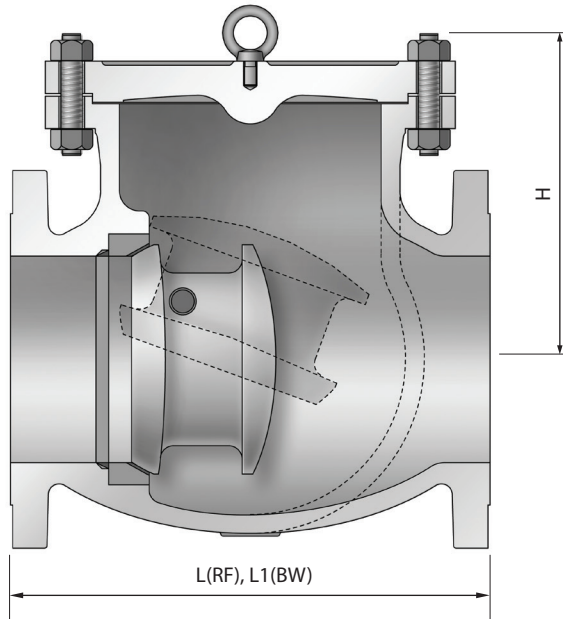
Our standard production covers valve with;

FLANGED ENDS(RF) that conform to ASME B16.5 and face to face dimensions that conform to ASME B16.10, with a raised face serrated finish or, on request, with any other finish;

BUTT-WELDING ENDS(B.W) with end to end dimensions that conform to ASME B16.10;

(Customer must specify the schedule required, or class of pipe, or diameter and bore.)

RING JOINT FLANGED ENDS(R.T.J) that conform to ASME B16.5 and with end to end dimensions to ASME B16.10; Other special end connections are supplied to customer requirements.



END CONNECTION

- R.F FLANGED ENDS TO ASME B16.5
- B.W. ENDS TO ASME B16.25
- R.T.J FLANGED ENDS TO ASME B16.5
- SIZE 26" AND LARGER, FLANGED ENDS ACCORDING TO ASME B16.47 SER.A OR SER.B

STANDARD MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL		
1	BODY	A216 - WCB	A217 - WC6	A351 - CF8
2	BONNET	A216 - WCB	A217 - WC6	A351 - CF8
3	DISC	A216 - WCB+STL	A217 - WC6+STL	A351 - CF8+STL
4	BODY SEAT RING	A576 - 1020+STL(S20C)	A182 - F11+STL	A240 - 304+STL
5	GASKET	SPIRAL WOUND / GRAPHITE+304+304		
6	HINGE PIN	A479 - 410	A479 - 410	A479 - 304
7	BUSHING	A479 - 304	A479 - 304	A479 - 304
8	BONNET BOLT	A193 - B7	A193 - B16	A193 - B8
9	BONNET NUT	A194 - 2H	A194 - 4	A194 - 8
10	COVER	A576 - 1020	A240 - 304	A240 - 304
11	COVER BOLT	A193 - B7	A193 - B7	A193 - B8
12	COVER NUT	A194 - 2H	A194 - 2H	194 - 8
13	COVER GASKET	SPIRAL WOUND / GRAPHITE+304		
14	EYE BOLT	A307 - B	A307 - B	A307 - B+Cr

DIMENSION AND WEIGHT

CLASS 150

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	30
L	203.2	241.3	292.1	355.6	495.3	622.3	698.5	787.4	863.6	977.9	977.9	1295.4	1295.4	1524
L1	203.2	241.3	292.1	355.6	495.3	622.3	698.5	787.4	863.6	977.9	977.9	1295.4	-	-
H	152	190	195	242	298	320	384	381	465	517	579	597	820	970
WEIGHT(kg)	19	31	54	94	163	257	383	494	617	899	1120	1615	2072	2696

CLASS 300

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	28
L	266.7	317.5	355.6	444.5	533.4	622.3	711.2	838.2	863.6	977.9	1016.0	1346.2	1346.2	1498.6
L1	266.7	317.5	355.6	444.5	533.4	622.3	711.2	838.2	863.6	977.9	1016.0	1346.2	-	-
H	163	202	205	331	298	345	425	490	494	554	578	690	909	977
WEIGHT(kg)	25	50	77	149	266	349	533	758	943	1270	1452	2299	2400	3120

CLASS 600

UNIT : mm

SIZE	2	3	4	6	8	10	14	16	18	20	26	28	30
L	292.1	355.6	431.8	558.8	660.4	787.4	889.0	990.6	1092.2	1193.8	1447.8	1600.2	1651
L1	292.1	355.6	431.8	558.8	660.4	787.4	889.0	990.6	1092.2	1193.8	-	-	-
H	170	190	225	305	379	466	520	534	697	695	1216	1176	1306
WEIGHT(kg)	37	67	124	245	410	749	1126	1500	1822	2868	5560	5810	7150

CLASS 900

UNIT : mm

SIZE	3	4	6	8	10	16
L	381.0	457.2	609.6	736.6	838.2	1130.3
L1	381.0	457.2	609.6	736.6	838.2	1130.3
H	288	292	378	448	510	948
WEIGHT(kg)	127	167	353	530	877	2220

CLASS 1500

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16
L	368.3	469.9	546.1	704.9	831.9	990.6	1130.3	1257.3	1384.3
L1	368.3	469.9	546.1	704.9	831.9	990.6	1130.3	1257.3	1384.3
H	260	288	350	434	512	633	722	873	948
WEIGHT(kg)	88	150	254	564	990	1152	1812	3582	5556