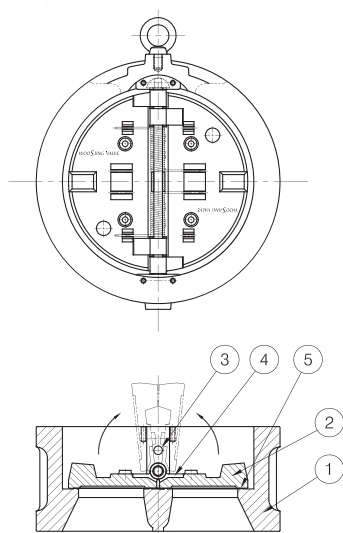
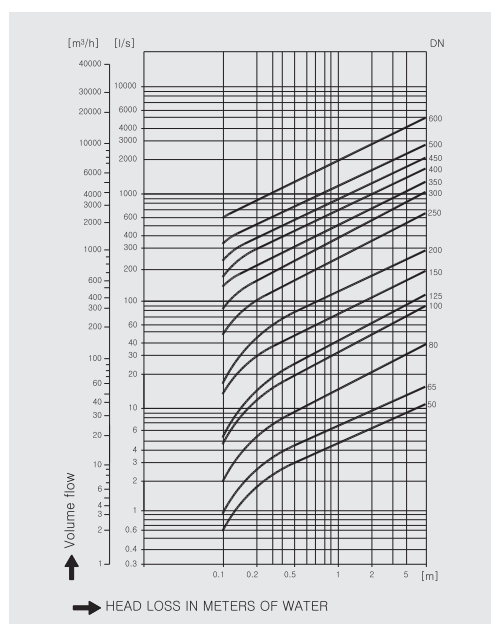


DUAL DISC CHECK VALVE

MODEL NO. DD



Pressure drop Chart



Specification

Size	2"(50A) ~ 60"(1500A)	
Service	Oil, Water, Air, Steam, Sea Water, etc.	
Rating	JIS 10K, 20K, Class 150~2500, AWWA C207, etc.	
End connections	Wafer, Lug, Double Flange, Buttwelding, Hub	
Materials	①Body	Cast Iron, Stainless Steel, Duplex, NI_AL_Bronze, etc.
	②Disc	Stainless Steel, Duplex, NI_AL_Bronze, etc.
	③Pin	Stainless Steel, Duplex, NI_AL_Bronze, etc.
	④Spring	Stainless Steel, Inconel, etc.
	⑤Seat	Rubber, PTFE, Stainless Steel, Stellite Overlay.

Flow Characteristics

[Flow Coefficient]

Size		Kv	Cv
in	mm		
2	50	54	62
2 1/2	65	76	88
3	80	148	171
4	100	318	368
5	125	420	485
6	150	738	853
8	200	1323	1530
10	250	2418	2795
12	300	3598	4160
14	350	4963	5738
16	400	7382	8534
18	450	9290	10740
20	500	12240	14150
24	600	19800	22890

[Flow Rate for full open]

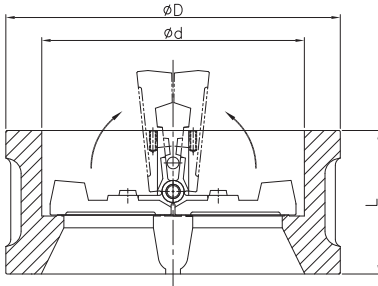
Size		Critical velocity (m/s)	Critical Flow rate (m³/hr)
in	mm		
2	50	1.5	11
2 1/2	65	1.5	18
3	80	1.7	30
4	100	2.2	61
5	125	2.0	87
6	150	2.1	136
8	200	2.4	268
10	250	2.2	395
12	300	2.2	560
14	350	2.0	687
16	400	2.2	987
18	450	2.0	1129
20	500	2.3	1642
24	600	2.4	2487

Notice

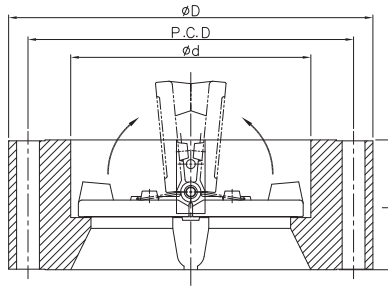
- When the valve is installed at horizontal pipe-line, The eye-bolt is to be upwardly positioned.
- When connecting with Pump, Bend or Elbow, 5times distance of pipe's diameter is recommended.

■ Dimensions

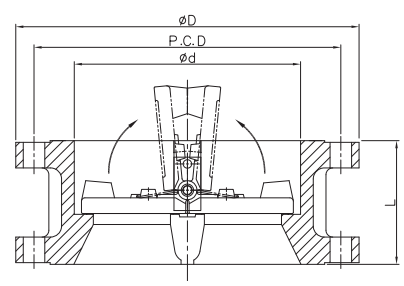
WAFFER (W)



LUG (L)



DOUBLE FLANGE (F)



[ASME B 16.5]

SIZE in.(mm)	RATING	FACING	Face to Face	Diameter	OD			PCD	HOLE NO.	Weight(KG)		
					W	L	F			W	L	F
2"(50)	150	RF	60	60	105	150	—	120,7	4	3	11	—
	300	RF	60	60	111	165	—	127	8	4	11	—
	600	RF/RJ	60	60	111	165	—	127	8	5	12	—
	900	RF/RJ	70	60	143	215	—	165,1	8	8	17	—
	1500	RF/RJ	70	60	143	215	—	165,1	8	13	22	—
	2500	RF/RJ	70	60	146	235	—	171,4	8	14	29	—
3"(80)	150	RF	73	89	137	190	—	152,4	4	6	13	—
	300	RF	73	89	149	210	—	168,3	8	8	23	—
	600	RF/RJ	73	89	149	210	—	168,3	8	9	23	—
	900	RF/RJ	83	89	168	240	—	190,5	8	13	30	—
	1500	RF/RJ	83	89	175	265	—	203,2	8	24	35	—
	2500	RF/RJ	86	89	197	305	—	228,6	8	27	40	—
4"(100)	150	RF	73	114	175	230	—	190,5	8	9	26	—
	300	RF	73	114	181	255	—	200	8	12	49	—
	600	RF/RJ	79	114	194	275	—	215,9	8	15	55	—
	900	RF/RJ	102	114	206	290	—	235	8	37	61	—
	1500	RF/RJ	102	114	210	310	—	241,3	8	40	70	—
	2500	RF/RJ	105	114	235	355	—	273	8	40	82	—
6"(150)	150	RF	98	114	175	280	—	190,5	8	18	42	—
	300	RF	98	114	181	320	—	200	12	29	55	—
	600	RF/RJ	137	114	194	355	—	215,9	12	40	98	—
	900	RF/RJ	159	114	206	380	—	235	12	55	131	—
	1500	RF/RJ	159	114	210	395	—	241,3	12	70	135	—
	2500	RF/RJ	159	114	235	485	—	273	8	90	197	—
8"(200)	150	RF	127	219	279	345	345	298,5	8	33	56	51
	300	RF	127	219	308	380	380	330,2	12	42	98	85
	600	RF/RJ	165	219	321	420	420	349,2	12	68	134	110
	900	RF/RJ	206	219	359	470	470	393,7	12	132	200	177
	1500	RF/RJ	206	219	352	485	485	393,7	12	133	212	199
	2500	RF/RJ	206	219	387	550	550	438,2	12	146	300	238
10"(250)	150	RF	146	273	340	405	405	362	12	60	88	88
	300	RF	146	273	362	445	445	387,4	16	65	148	196
	600	RF/RJ	213	273	400	510	510	431,8	16	140	245	214
	900	RF/RJ	241	273	435	545	545	469,9	16	201	350	301
	1500	RF/RJ	248	273	435	585	585	482,6	12	210	380	355
	2500	RF/RJ	254	273	476	675	675	539,8	12	225	512	420
12"(300)	150	RF	181	324	410	485	485	431,8	12	92	180	130
	300	RF	181	324	422	520	520	450,8	16	105	181	155
	600	RF/RJ	229	324	457	560	560	489	20	179	330	250
	900	RF/RJ	292	324	498	610	610	533,4	20	379	529	349
	1500	RF/RJ	305	324	521	675	675	571,5	16	384	752	470
	2500	RF/RJ	305	324	549	760	760	619,1	12	410	880	595

※ W : Wafer L : Lug F : Flange



[ASME B 16.5]

SIZE in.(mm)	RATING	FACING	Face to Face	Diameter	OD			PCD	HOLE NO.	Weight(KG)		
					W	L	F			W	L	F
14"(350)	150	RF	184	356	451	535	535	476,3	12	107	223	148
	300	RF	222	356	486	585	585	514,4	20	160	312	210
	600	RF/RJ	273	356	492	605	605	527	20	227	442	389
	900	RF/RJ	356	356	541	640	640	558,8	20	450	795	480
	1500	RF/RJ	356	356	578	750	750	635	16	550	923	611
16"(400)	150	RF	191	406	514	595	595	539,8	16	149	284	161
	300	RF	232	406	540	650	650	571,5	20	208	512	285
	600	RF/RJ	305	406	565	685	685	603,2	20	354	680	447
	900	RF/RJ	384	406	575	705	705	616	20	550	850	550
	1500	RF/RJ	384	406	641	825	825	704,8	16	635	1274	835
18"(450)	150	RF/RJ	203	457	549	635	635	577,9	16	171	265	205
	300	RF/RJ	264	457	597	710	710	628,6	24	301	538	388
	600	RF/RJ	362	457	613	745	745	654	20	474	857	560
	900	RF/RJ	451	457	638	785	785	685,8	20	770	1350	850
	1500	RF/RJ	468	457	705	915	915	774,7	16	1062	1760	1020
20"(500)	150	RF/RJ	219	508	606	700	700	635	20	205	313	282
	300	RF/RJ	292	508	654	775	775	685,8	24	381	770	499
	600	RF/RJ	368	508	683	815	815	723,9	24	640	1033	776
	900	RF/RJ	451	508	699	855	855	749,3	20	884	2050	1780
	1500	RF/RJ	533	508	755	985	985	831,8	16	1478	2396	2221
24"(600)	150	RF/RJ	222	610	718	815	815	749,3	20	315	396	410
	300	RF/RJ	318	610	775	915	915	812,8	24	605	1166	760
	600	RF/RJ	438	610	791	940	940	838,2	24	964	1488	1154
	900	RF/RJ	495	610	838	1040	1040	901,7	20	1500	2300	1890
	1500	RF/RJ	559	610	901	1170	1170	990,6	16	3010	3528	3050

[ASME B 16.47 SERIES A]

SIZE in.(mm)	RATING	FACING	Face to Face	Diameter	OD			PCD	HOLE NO.	Weight(KG)		
					W	L	F			W	L	F
26"(650)	150	RF	279	660	775	870	870	806,5	24	452	987	895
	300	RF/RJ	356	660	834	971	971	876,3	28	710	1649	1354
	600	RF/RJ	457	660	866	1015	1015	914,4	28	918	1890	1422
	900	RF/RJ	533	660	883	1085	1085	952,5	20	1255	2355	2148
28"(700)	150	RF	279	711	832	926	926	863,6	28	584	1254	1080
	300	RF/RJ	381	711	898	1034	1034	939,8	28	775	1540	1260
	600	RF/RJ	483	711	913	1073	1073	965,2	28	925	2022	1610
	900	RF/RJ	572	711	945	1167	1167	1022,4	20	1320	3176	2589
30"(750)	150	RF	305	762	882	983	983	914,4	28	662	1276	1123
	300	RF/RJ	368	762	952	1090	1090	997	28	920	2033	1422
	600	RF/RJ	505	762	972	1129	1129	1022,4	28	1679	3250	1685
	900	RF	635	762	1010	1231	1231	1085,9	20	2328	4055	3265
32"(800)	150	RF	356	813	939	1059	1059	977,9	28	857	3166	1095
	300	RF/RJ	406	813	1005	1148	1148	1054,1	28	1228	3793	1481
	600	RF/RJ	533	813	1021	1192	1192	1079,5	28	1640	4255	2130
	900	RF/RJ	660	813	1072	1312	1312	1155,7	20	2101	4498	3652
36"(900)	150	RF	368	914	1047	1166	1166	1085,9	32	956	1511	1142
	300	RF/RJ	483	914	1118	1269	1269	1168,4	32	1267	2890	2139
	600	RF/RJ	635	914	1129	1312	1312	1193,8	28	2761	4720	2863
	900	RF/RJ	718	914	1199	1460	1460	1289,1	20	3542	6434	
40"(1000)	150	RF	432	1016	1161	1287	1287	1200,2	36	1385	1571	1590
	300	RF	546	1016	1113	1236	1236	1155,7	32	2087	2760	2730
	600	RF	660	1016	1154	1320	1320	1212,9	32	3578	—	—
	900	RF	762	1016	1251	1510	1510	1339,9	21	4570	—	—
48"(1200)	150	RF	524	1219	1383	1510	1510	1422,4	44	2177	4255	2885
	300	RF	629	1219	1324	1465	1465	1371,6	32	2950	6487	5210
60"(1500)	150	RF	660	1524	1715	1850	1850	1759	52	4350	8756	—
	300	RF	838	1524	1644	1808	1808	1701,8	32	5315	11540	—

※ W : Wafer L : Lug F : Flange

[KS B1511 / JIS B2210]

SIZE in.(mm)	RATING	FACING	Face to Face	Diamete	OD			PCD	HOLE NO.	Weight(KG)		
					W	L	F			W	L	F
2"(50)	10K	RF/FF	60	60	101	—	—	120	4	2,5	—	—
	20K	RF/FF	60	60	101	—	—	120	8	2,5	—	—
3"(80)	10K	RF/FF	73	89	131	—	—	150	8	6,5	—	—
	20K	RF/FF	73	89	137	—	—	160	8	6,5	—	—
4"(100)	10K	RF/FF	73	114	156	—	—	175	8	8,1	—	—
	20K	RF/FF	73	114	162	—	—	185	8	8,1	—	—
6"(150)	10K	RF/FF	98	168	217	—	—	240	8	16	—	—
	20K	RF/FF	98	168	235	—	—	260	12	16,2	—	—
8"(200)	10K	RF/FF	127	219	267	—	—	290	12	29	—	—
	20K	RF/FF	127	219	280	—	—	305	12	29,2	—	—
10"(250)	10K	RF/FF	146	273	330	—	—	355	12	48,5	—	—
	20K	RF/FF	146	273	353	—	—	380	12	49	—	—
12"(300)	10K	RF/FF	181	324	375	—	—	400	16	91	—	—
	20K	RF/FF	181	324	703	—	—	430	16	92	—	—
14"(350)	10K	RF/FF	184	356	420	—	—	445	16	90	—	—
	20K	RF/FF	222	356	447	—	—	480	16	92	—	—
16"(400)	10K	RF/FF	191	406	483	—	—	510	16	125	—	—
	20K	RF/FF	232	406	507	—	—	540	16	127	—	—
18"(450)	10K	RF/FF	203	457	538	—	—	565	20	132	—	—
	20K	RF/FF	264	457	572	—	—	605	20	134	—	—
20"(500)	10K	RF/FF	219	508	593	—	—	620	20	185	—	—
	20K	RF/FF	292	508	627	—	—	660	20	188	—	—
24"(600)	10K	RF/FF	222	610	697	—	—	730	24	285	—	—
	20K	RF/FF	318	610	731	—	—	770	24	289	—	—
28"(700)	10K	RF/FF	381	711	807	—	—	840	24	442	—	—
	20K	RF/FF	381	711	852	—	—	900	24	447	—	—
30"(750)	10K	RF/FF	305	762	867	—	—	900	24	576	—	—
	20K	RF/FF	368	762	914	—	—	970	24	579	—	—
32"(800)	10K	RF/FF	356	813	917	—	—	950	28	640	—	—
	20K	RF/FF	406	813	974	—	—	1030	24	647	—	—
36"(900)	10K	RF/FF	368	914	1017	—	—	1050	28	1319	—	—
	20K	RF/FF	483	914	1084	—	—	1140	28	1325	—	—

※ **W** : Wafer **L** : Lug **F** : Flange

