

DUAL PLATE WAFER CHECK VALVE CLASS 300

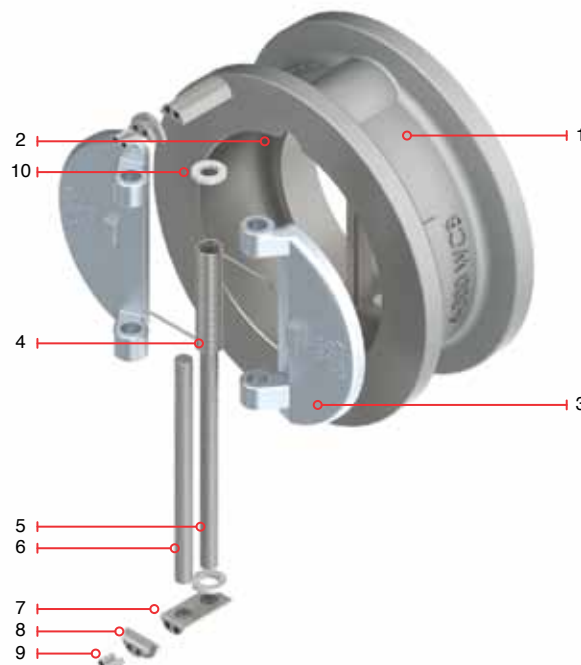
Design Features

- Design in accordance with API 594
- End to end dimension in accordance to API 594
- Flange ends in accordance to ASME B16.5, ASME B16.47
- Inspection and Test according to API 598
- NACE MR-0175 Service
- Lifting Lug for 8" and up
- Single Spring for 2" to 6"
- Double Spring for 8" and up

Material List for Main Parts (Single Spring)

No.	Part Name	ASTM
		Carbon Steel
1	Body	A216 WCB
2	Seat Seal	A216 WCB + SS410 Overlay
3	Disc	A351 CF8
4	Spring	Inconel X-750
5	Shaft	A276 Gr. 410
6	Stop Pin	A276 Gr. 410
7	Shaft Support	A276 Gr. 410
8	Retainer	A276 Gr. 410
9	Bolting	Commercial Steel
10	Lifting Lug	Commercial Steel
11	Bearing	A276 Gr. 410

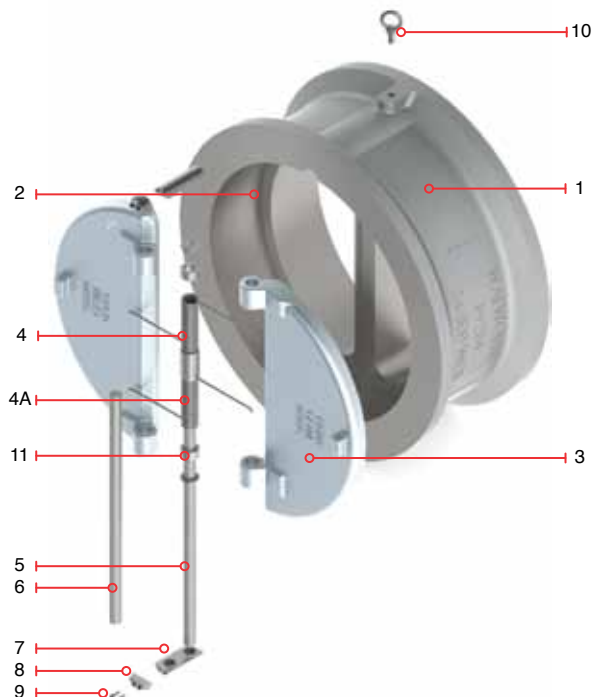
Remark: 1. Select different materials for different working temperature and media.



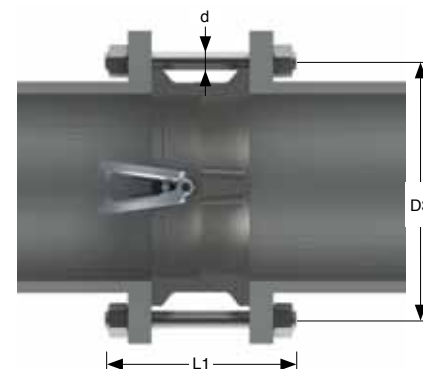
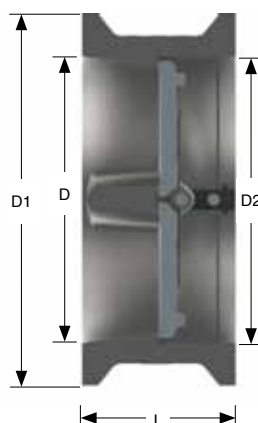
Material List For Main Parts (Double Spring)

No.	Part Name	ASTM
		Carbon Steel
1	Body	A216 WCB
2	Seat Seal	A216 WCB + SS410 Overlay
3	Disc	A351 CF8
4	Spring	Inconel X-750
4A	Spring	Inconel X-750
5	Shaft	A276 Gr. 410
6	Stop Pin	A276 Gr. 410
7	Shaft Support	A276 Gr. 410
8	Retainer	A276 Gr. 410
9	Bolting	Commercial Steel
10	Lifting Lug	Commercial Steel
11	Bearing	A276 Gr. 410

Remark: 1. Select different materials for different working temperature and media.



DUAL PLATE WAFER CHECK VALVE CLASS 300



Dimensions and Weights

Pressure / Flange standard	Nominal pipe size		Dimension				Weight (Kg)	Pipe Flange					
	NPS	CN	L	D1	D2	D		D3	Bolt No.	Stud Diameter (d)		Stud Length (L1)	
										in	mm	RF	RJ
Class 300 PN5,0/ ASME B16.5	2	50	60	110	58	51	3	127	8	5/8	M16	155	175
	2 1/2	65	67	128	73	65	4	149	8	3/4	M20	175	195
	3	80	73	147	88	80	6	168.5	8	3/4	M20	190	210
	4	100	73	179	108	102	8	200	8	3/4	M20	195	215
	5	125	86	214	132	127	15	235	8	3/4	M20	215	235
	6	150	98	249	160	152	18	270	12	3/4	M20	230	250
	8	200	127	305	210	203	31	330	12	7/8	M24	280	300
	10	250	146	359	266	254	51	387.5	16	1	M27	315	335
	12	300	181	420	310	305	77	451	16	1 1/8	M30	365	385
	14	350	222	483	355	350	117	514.5	20	1 1/8	M30	410	430
	16	400	232	537	405	400	190	571.5	20	1 1/4	M33	435	455
	18	450	264	594	455	450	200	628.5	24	1 1/4	M33	475	495
20	500	292	652	505	500	265	686	24	1 1/4	M33	510	535	
24	600	318	772	608	600	410	813	24	1 1/2	M39x3	560	585	
Class 300 PN5,0/ ASME B16.47B o API605	26	650	356	767	640	633	560	803	32	1 1/4	M33	625	-
	28	700	368	821	985	685	580	857	36	1 1/4	M33	635	-
	30	750	368	882	740	735	660	921	36	1 3/8	M36x3	650	-
	32	800	368	936	784	784	970	978	32	1 1/2	M39x3	675	-
	36	900	483	1044	880	873	1010	1089	32	1 5/8	M42x3	800	-
	40	1000	546	1146	985	976	1420	1191	40	1 5/8	M42x3	885	-
	42	1050	568	1196	1045	1035	1540	1244.5	36	1 3/4	M45x3	920	-
	48	1200	629	1365	1190	1166	2250	1416	40	1 7/8	M48x3	1010	-
	54	1350	718	1526	1315	1312	3100	1578	48	1 7/8	M48x3	1140	-
	60	1400	838	1704	1470	1458	4310	1764	40	2 1/4	M56x3	1280	-
Class 300 PN5,0/ ASME B16.47A o MSS SP-44	26	650	356	831	640	633	580	876	28	1 5/8	M42x3	625	-
	28	700	368	895	985	685	600	940	28	1 5/8	M42x3	650	-
	30	750	368	949	740	735	680	997	28	1 3/4	M45x3	665	-
	32	800	368	1003	784	784	990	1054	28	1 7/8	M48x3	685	-
	36	900	483	1113	880	873	1050	1168.5	32	2	M52x3	820	-
	40	1000	546	1110	985	976	1400	1156	32	1 5/8	M42x3	885	-
	42	1050	568	1161	1045	1035	1520	1206.5	32	1 5/8	M42x3	915	-
	48	1200	629	1320	1190	1166	2250	1371.5	32	1 7/8	M48x3	1015	-
	54	1350	718	1489	1315	1312	3050	1594.5	28	2 1/4	M56x3	1160	-
60	1400	838	1642	1470	1458	4300	1702	32	2 1/4	M56x3	1305	-	