

DUAL PLATE WAFER CHECK VALVE CLASS 150

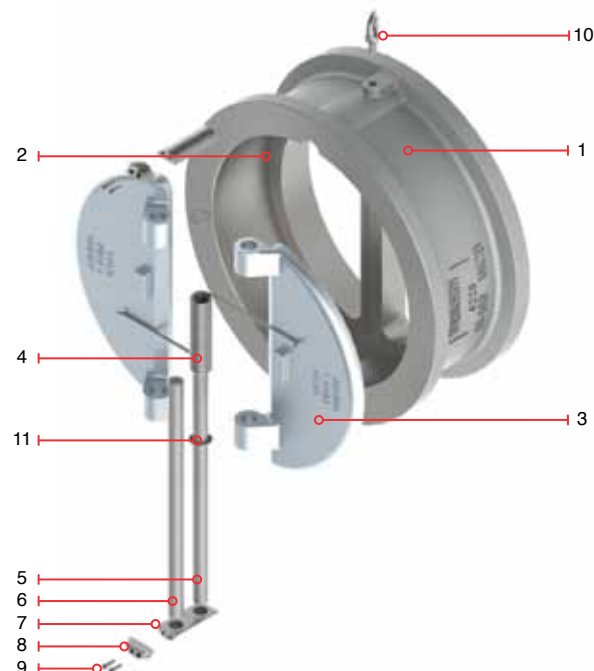
Design Features

- 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

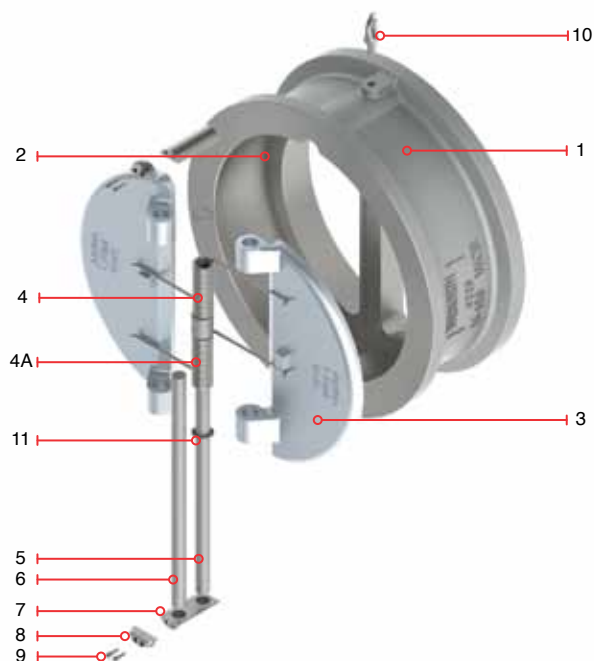
Remark: 1. Select different materials for different working temperature and media.



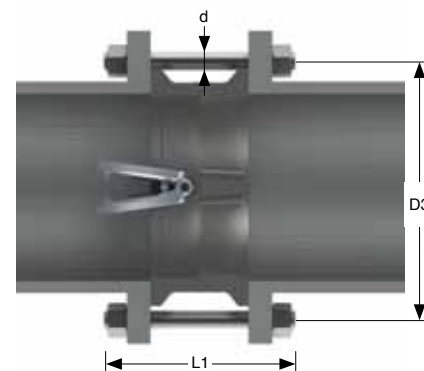
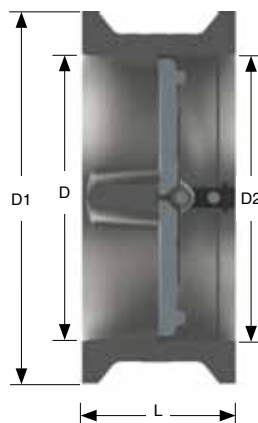
Material List For Main Parts (Double Spring)

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.



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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 150 PN2,0/ ASME B16.5	2	50	60	103	56	51	2	120.5	4	5/8	M16	140	155
	2 1/2	65	67	122	73	65	3	139.5	4	5/8	M16	150	165
	3	80	73	135	88	80	4	152.5	4	5/8	M16	160	175
	4	100	73	173	108	102	6	190.5	8	5/8	M16	170	185
	5	125	86	195	132	127	8	216	8	3/4	M20	190	205
	6	150	98	220	160	152	13	241.5	8	3/4	M20	205	220
	8	200	127	277	210	203	25	298.5	8	3/4	M20	240	255
	10	250	146	337	266	254	39	362	12	7/8	M24	270	285
	12	300	181	407	310	305	54	432	12	7/8	M24	310	325
	14	350	184	448	355	350	80	476	12	1	M27	325	340
	16	400	191	512	405	400	117	540	16	1	M27	340	355
	18	450	203	547	455	450	138	478	16	1 1/8	M30	365	380
20	500	219	604	505	500	163	635	20	1 1/8	M30	385	400	
24	600	222	715	605	600	331	749.5	20	1 1/4	M33	405	420	
Class 150 PN2,0/ ASME B16.47A o MSS SP-44	26	650	222	770	650	633	380	806.5	24	1 1/4	M33	450	-
	28	700	305	827	700	700	400	863.5	28	1 1/4	M33	535	-
	30	750	305	878	750	746	440	914.5	28	1 1/4	M33	545	-
	32	800	305	935	800	796	580	978	28	1 1/2	M39x3	570	-
	36	900	368	1045	894	874	660	1086	32	1 1/2	M39x3	650	-
	40	1000	432	1167	985	976	890	1200	36	1 1/2	M39x3	710	-
	42	1050	432	1213	1055	1050	980	1257.5	36	1 1/2	M39x3	730	-
	44	1100	432	1274	1070	1070	1150	1314.5	40	1 1/2	M39x3	730	-
	48	1200	524	1397	1205	1166	1450	1422.5	44	1 1/2	M39x3	840	-
	54	1350	591	1545	1315	1312	2300	1594	44	1 3/4	M45x3	950	-
	56	1400	591	1602	1370	1360	2800	1651	48	1 3/4	M45x3	955	-
	60	1500	660	1701	1470	1458	3220	1759	52	1 3/4	M45x3	1040	-