

DUAL PLATE WAFER CHECK VALVE CLASS 900

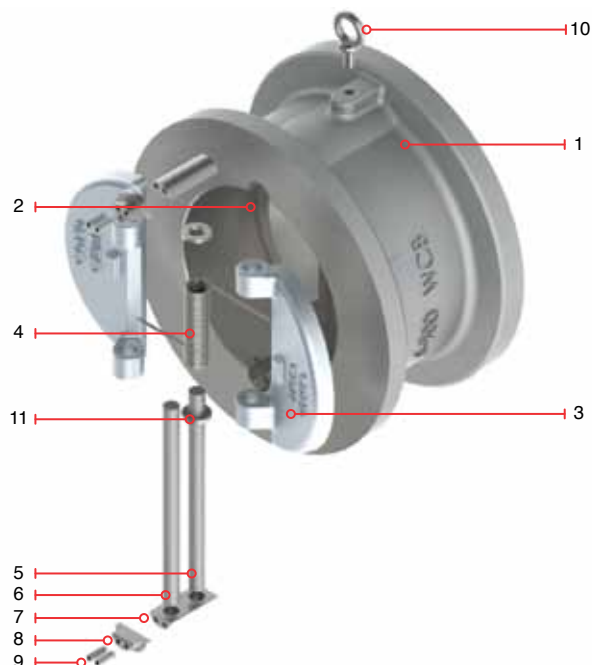
Design Features

- 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

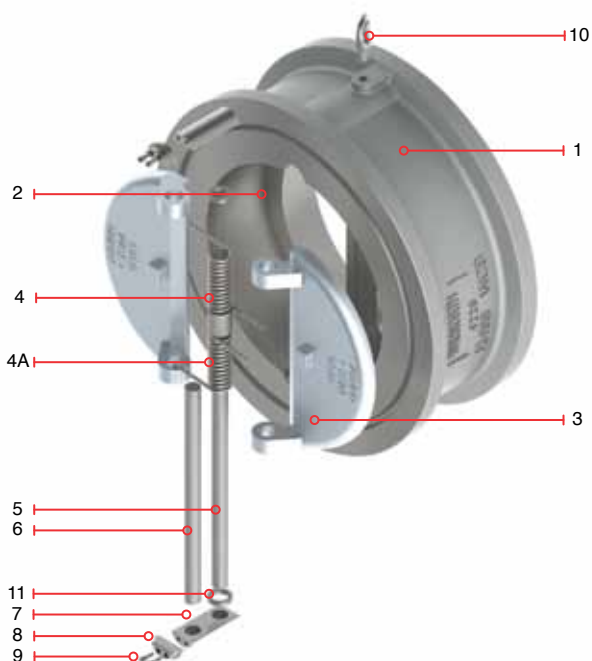
Remark: 1. Select different materials for different working temperature and media.



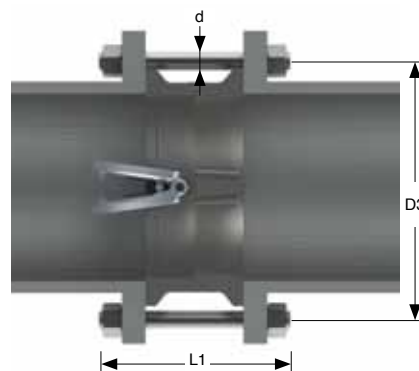
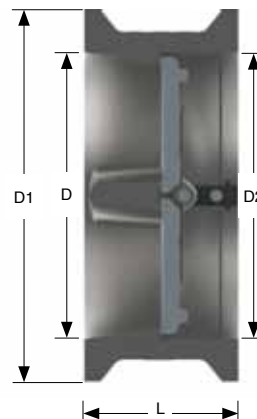
Material List For Main Parts (Double Spring)

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 900 PN15,0/ ASME B16.5	2	50	70	140	58	51	8	165	8	7/8	M24	225	230
	2 1/2	65	83	162	73	65	11	190.5	8	1	M27	250	255
	3	80	83	165	90	80	14	190.5	8	7/8	M24	240	245
	4	100	102	204	108	102	20	235	8	1 1/8	M30	285	290
	5	125	110	245	136	127	30	278.5	8	1 1/4	M33	310	315
	6	150	159	286	162	150	42	317.5	12	1 1/8	M30	365	370
	8	200	206	356	212	200	84	393.5	12	1 3/8	M36x3	440	445
	10	250	241	432	266	250	145	470	16	1 3/8	M36x3	490	495
	12	300	292	495	312	305	220	533.5	20	1 3/8	M36x3	560	565
	14	350	356	518	355	337	350	559	20	1 1/2	M39x3	645	655
	16	400	384	572	400	387	470	616	20	1 5/8	M42x3	685	695
	18	450	451	635	450	438	605	686	20	1 7/8	M48x3	790	805
	20	500	451	695	496	487	820	749.5	20	2	M52x3	810	825
	24	600	495	835	600	591	1050	901.5	20	7/8	M64x3	945	965