

DUAL PLATE WAFER CHECK VALVE CLASS 2500

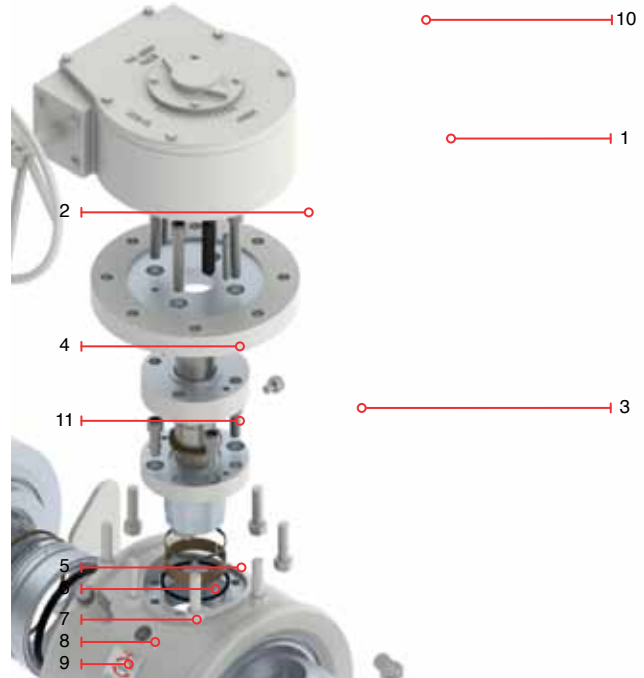
Design Features

- 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

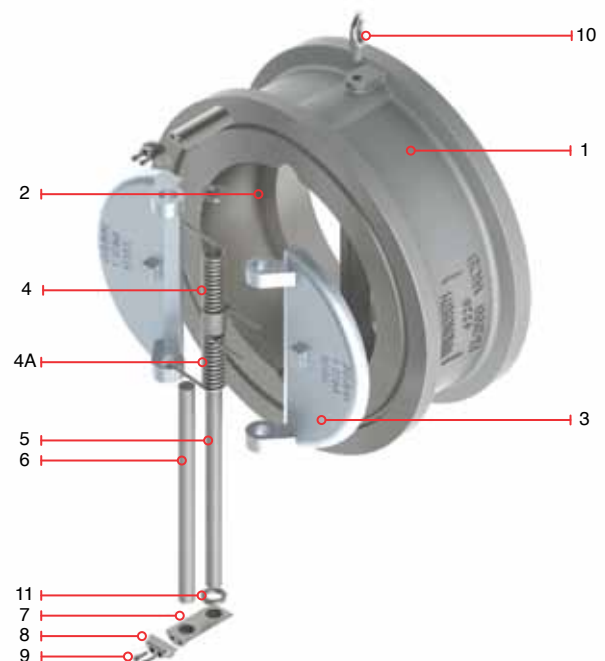
Remark: 1. Select different materials for different working temperature and media.



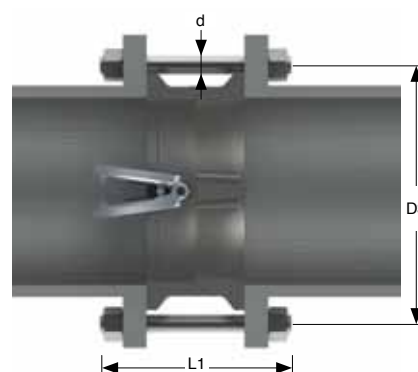
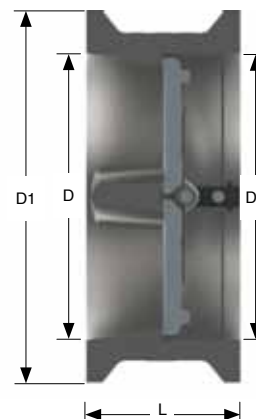
Material List For Main Parts (Double Spring)

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 2500 PN42,0/ ASME B16.5	2	50	70	143	48	42	10	171.4	8	1	M27	260	260
	2 1/2	65	83	166	58	52	18	196.8	8	1 1/8	M30	290	300
	3	80	86	194	68	62	26	228.6	8	1 1/4	M33	315	325
	4	100	105	232	94	88	40	273	8	1 1/2	M39x3	370	375
	5	125	110	277	106	100	59	323.8	8	1 3/4	M45x3	420	430
	6	150	159	315	162	150	90	368.3	8	2	M52x3	515	525
	8	200	206	385	186	180	150	438.2	12	2	M52x3	600	615
	10	250	254	474	232	225	240	593.8	12	2 1/2	M64x3	760	780
	12	300	305	547	272	266	440	619.1	12	2 3/4	M70x3	860	880