

Dual Plate
Chuck Valve

STANDARDS

1. Design and manufacture: API 594, API 6D
2. Face to face: API 594, API 6D; DIN 3202;
3. Pressure-temperature ratings: ASME B 16.34
4. Inspection and test: API 598, API 6D
5. End flange dimension: ASME B16.5, ASME B16.47, API605, MSS SP-44, ISO7005-1, DIN2543-2548

STRUCTURE FEATURES

1. It is short in face to face dimensions, being 1/4-1/8 times that of traditional flange type check valve
2. It is compact in volume size and light in weight of about 1/4-1/20 times that of traditional flange type check valve.
3. The disc closes quickly with less water hammer pressure.
4. It is convenient in installation, being available for use on level or vertical pipelines.
5. Flow passage is fluent with less flow resistance.
6. It acts sensitively with good sealing effect.
7. Disc travel is short with less impact force caused by valve closing.
8. It is compact in integral structure with nice outline view.
9. It is longer for services life with high reliability.

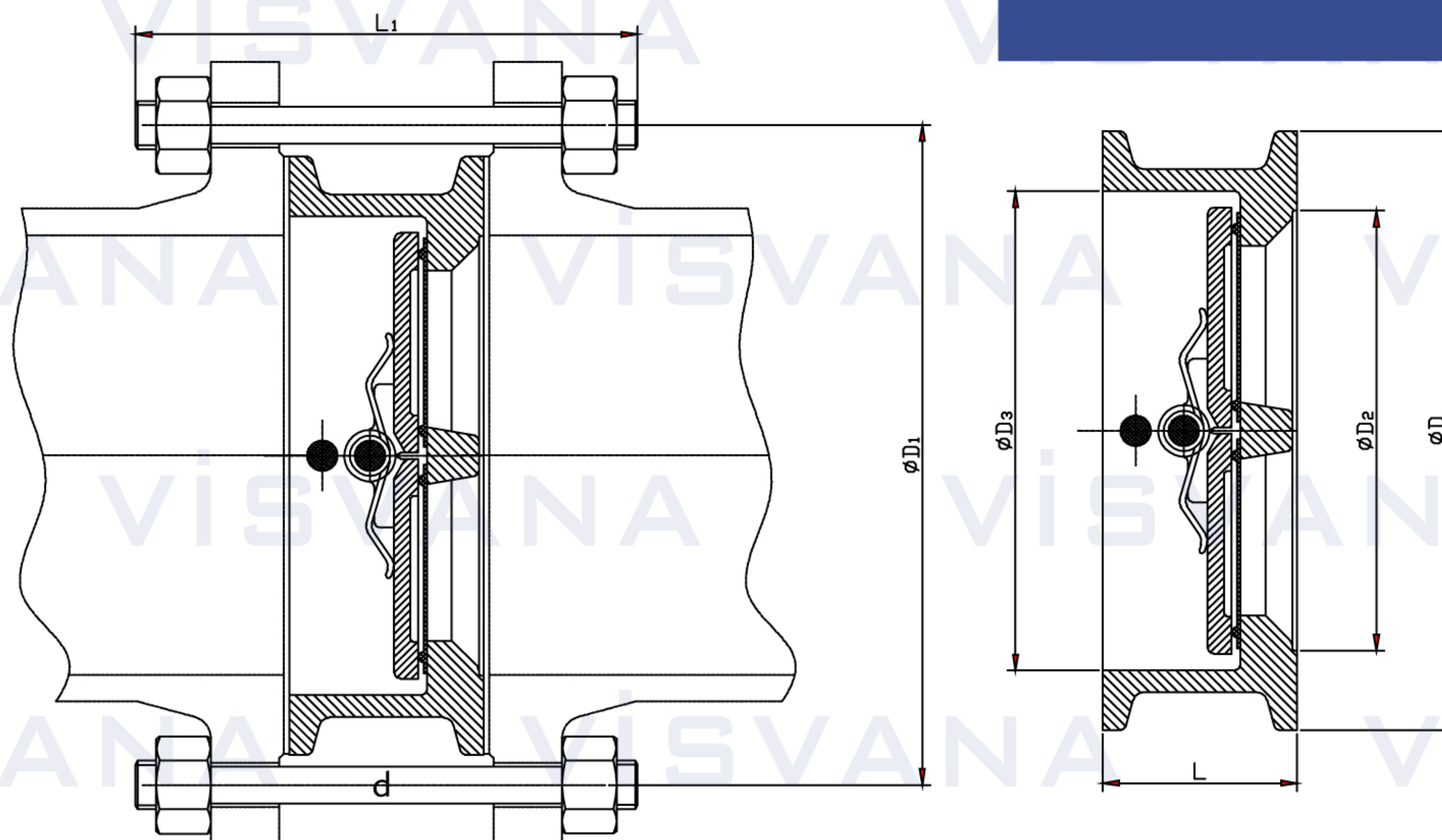
Materials for main parts

Part Name		Material							
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A217 C5	A351 CF8	A351 CF8M
2	Disc	A351 CF8	A351 CF8	A217 WC6	A217 WC9	A217 C5	A217 C5	A351 CF8	A351 CF8M
3	Stem	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316
4	Spring	Stainless steel/inconel							

Noted: the chart above only lists out some common composition of steel ball valve parts, we may provide other different parts material composition according to the customer's request or the actual valve working condition.

API WAFERTYPE CHECK VALVE

VWDC-C150 VWDC-C300



Class	Size		Dimensions (mm)				Weight (Kg)	Pipeline Flanges					
	NPS	DN	L	D	D ₂	D ₃		D ₁	Number of bolts	d		L ₁	
										In	mm	RF	RTJ
150	2	50	60	103	51	56	2	120,5	4	5/8	M16	140	155
	2 1/2	65	67	122	65	73	3	139,5	4	5/8	M16	150	165
	3	80	73	135	80	88	4	152,5	4	5/8	M16	160	175
	4	100	73	173	102	108	6	190,5	8	5/8	M16	170	185
	5	125	86	195	127	132	8	216,0	8	3/4	M20	190	205
	6	150	98	220	152	160	13	241,5	8	3/4	M20	205	220
	8	200	127	277	203	210	25	298,5	8	3/4	M20	240	255
	10	250	146	337	254	266	39	362,0	12	7/8	M24	270	285
	12	300	181	407	305	310	54	432,0	12	7/8	M24	310	325
	14	350	184	448	350	355	80	476,0	12	1	M27	325	340
	16	400	191	512	400	405	117	540,0	16	1	M27	340	355
	18	450	203	547	450	455	138	578,0	16	1 1/8	M30	365	380
	20	500	219	604	500	505	163	635,0	20	1 1/8	M30	385	400
	24	600	222	715	600	605	331	749,5	20	1 1/4	M33	405	420
	28	700	305	773	700	700	380	795,5	40	3/4	M20	455	
	30	750	305	824	746	750	425	846,0	44	3/4	M20	455	
	32	800	305	878	796	800	560	900,0	48	3/4	M20	460	
36	900	368	983	898	910	640	1009,5	44	7/8	M24	540		
42	1050	432	1142	1050	1055	960	1171,5	48	1	M27	625		
48	1200	524	1302	1200	1205	1400	1335,0	44	1 1/8	M30	740		
300	2	50	60	110	51	58	3	127,0	8	5/8	M16	155	175
	2 1/2	65	67	128	65	73	4	149,0	8	3/4	M20	175	195
	3	80	73	147	80	88	6	168,5	8	3/4	M20	190	210
	4	100	73	179	102	108	8	200,0	8	3/4	M20	195	215
	5	125	86	214	127	132	15	235,0	8	3/4	M20	215	235
	6	150	98	249	152	160	18	270,0	12	3/4	M20	230	250
	8	200	127	305	203	210	31	330,0	12	7/8	M24	280	300
	10	250	146	359	254	266	51	387,5	16	1	M27	315	335
	12	300	181	420	305	310	77	451,0	16	1 1/8	M30	365	385
	14	350	222	483	350	355	117	514,5	20	1 1/8	M30	410	430
	16	400	232	537	400	405	190	571,5	20	1 1/4	M33	435	455
	18	450	264	594	450	455	200	628,5	24	1 1/4	M33	475	495
	20	500	292	652	500	505	265	686,0	24	1 1/4	M33	510	535
	24	600	318	772	600	608	410	813,0	24	1 1/2	M39	560	585
	30	750	368	882	735	740	660	921,0	36	1 3/8	M36	650	
	36	900	483	1044	873	880	1020	1089,0	32	1 5/8	M42	800	
	42	1050	568	1196	1035	1045	1540	1244,5	36	1 3/4	M45	920	
48	1200	629	1365	1179	1190	2260	1416,0	40	1 7/8	M48	1010		