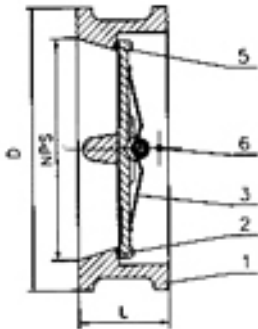


Wafer Lift Check Valves



Wafer Double Disc
Swing Check Valves

STANDARDS

Design and manufacture: API 594 and API 6D

Face to face dimensions: API 594 and API 6D (long sizes.)
standard

Test: API 598.

End flange dimensions

NPS 1-24: ANSI B 16.5

NPS 30-48: MSS SP-44 or API 605

Type of connection

RF and RTJ flange ends to ANSI B16.5 or API 605 and
MSS SP-44 standard.

Type: Wafer Lift Check Valves, Wafer Double Disc Swing Check Valves

DN NPS		CLASS 150					CLASS 300					CLASS 600				
		L		D		W(kg)	L		D		W(kg)	L		D		W(kg)
50	2	60	2.38	92	3.62	1.2	60	2.38	92	3.62	2.0	60	2.38	92	3.62	2.5
65	2 1/2	67	2.62	105	4.13	2.3	67	2.62	105	4.13	2.9	67	2.62	105	4.13	3.5
80	3	73	2.88	127	5.00	3.0	73	2.88	127	5.00	5.5	73	2.88	127	5.00	6.3
100	4	73	2.88	157	6.18	7.0	73	2.88	157	6.18	9.2	79	3.12	157	6.18	10.2
150	6	98	3.88	216	8.50	15	98	3.88	216	8.50	20	136	5.38	216	8.50	22
200	8	127	5.00	270	10.63	23	127	5.00	270	10.63	25	165	6.50	270	10.63	35
250	10	146	5.75	324	12.76	30	146	5.75	324	12.76	32	213	8.38	324	12.76	41
300	12	181	7.12	381	15.00	37	181	7.12	381	15.00	39	229	9.00	381	15.00	57
350	14	184	7.25	413	16.26	49	222	8.75	413	16.26	52	273	10.75	413	16.26	72
400	16	191	7.50	470	18.50	62	232	9.12	470	18.50	67	305	12.00	470	18.50	83
450	18	203	8.00	533	20.98	78	264	10.38	533	20.98	82	362	14.25	533	20.98	100
500	20	219	8.62	584	22.99	97	292	11.50	584	22.99	102	368	14.50	584	22.99	140
600	24	222	8.75	692	27.24	125	318	12.50	692	27.24	135	438	17.25	692	27.24	350
750	30	305	12.00	857	33.74	300	368	14.50	857	33.74	321	505	19.88	857	33.74	410
900	36	368	14.50	1022	40.24	395	486	19.00	1022	40.24	400	635	25.00	1022	40.24	589
1000	42	432	17.00	1194	44.50	470	568	22.37	1136	46.00	515	701	27.61	1168	46.00	698
1200	48	524	20.62	1359	50.75	595	629	24.75	1302	52.24	611	-	-	-	-	-

MATERIAL LIST

NO.	Part Name	Carbon Steel		Alloy Steel			Stainless Steel			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Disc	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	Spring	AISI 6150		17-7PH stainless steel (Inconel for NACE standard)			Ni-CrAlloy			
4	Bush	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
5	Sealing face overlay	PTFE, 13Cr and 18Cr-8Ni or HF(Co-CrA)								
6	Pin	A182F6	A182F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L

The material is according to ASTM standard.