

Dual Plate Check Valve



Figure: **C5000**

Size : 2"-24"

Design Standard : API 594

Face to Face API 594

Flange Drilling: ANSI B16.5、API 605

Specification

Design standard: API 594、API 6D

Face to face:API594、API6D

Pipe flange: ANSI B16.5 、API 605、ASME B16.47

Testing & inspection: API 598

Pressure- temperature rating: ANSI B 16.34

Type of connection: Wafer

Application

Structural features:

Short in face to face dimensions, small in bulk,light in weight;

Valve discs close quickly,the pressure of the water hammer is little;

Applicable to both vertical and horizontal pipes. Simple installation;

Simple, impact structure and nice outline;

Smooth channel and little fluid resistance;

Flexible action and fine sealing;

Prolonged service time and high reliability;

Materials

NAME	MATERIAL (1)	MATERIAL (2)
Body	WCB	SS316
Disc	SS304	SS316
Stem	SS410	SS316
Spring	SS304	SS316
Seat	SS304	SS316

Dimensions

Ratings	Size		Dimensions (mm)				Weight (kg)	Flange Connection Dim (for reference only)					
	NPS	DN	L	D	D ₃	D ₂		D ₁	qty	d		L ₁	
										in	mm	RF	RJ
Class 150 PN2.0MPa	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	216.0	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	362.0	12	7/8	M24	270	285
	12	300	181	407	310	305	54	432.0	12	7/8	M24	310	325
14	350	184	448	355	350	80	476.0	12	1	M27	325	340	

	16	400	191	512	405	400	117	540.0	16	1	M27	340	355
	18	450	203	547	455	450	138	578.0	16	1 ¹ / ₈	M30	365	380
	20	500	219	604	505	500	163	635.0	20	1 ¹ / ₈	M30	385	400
	24	600	222	715	605	600	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	750	746	425	846.0	44	3/4	M20	455	-
	32	800	305	878	800	796	560	900.0	48	3/4	M20	460	-
	36	900	368	983	910	898	640	1009.5	44	7/8	M24	540	-
	42	1050	432	1142	1055	1050	960	1171.5	48	1	M27	625	-
	48	1200	524	1302	1205	1200	1400	1335.0	44	1 ¹ / ₈	M30	740	-
Class 300 PN5.0MPa	2	50	60	110	58	51	3	127.0	8	5/8	M16	155	175
	2 ¹ / ₂	65	67	128	73	65	4	149.0	8	3/4	M20	175	195
	3	80	73	147	88	80	6	168.5	8	3/4	M20	190	210
	4	100	73	179	108	102	8	200.0	8	3/4	M20	195	215
	5	125	86	214	132	127	15	235.0	8	3/4	M20	215	235
	6	150	98	249	160	152	18	270.0	12	3/4	M20	230	250
	8	200	127	305	210	203	31	330.0	12	7/8	M24	280	300
	10	250	146	359	266	254	51	387.5	16	1	M27	315	335
	12	300	181	420	310	305	77	451.0	16	1 ¹ / ₈	M30	365	385
	14	350	222	483	355	350	117	514.5	20	1 ¹ / ₈	M30	410	430
	16	400	232	537	405	400	190	571.5	20	1 ¹ / ₄	M33	435	455
	18	450	264	594	455	450	200	628.5	24	1 ¹ / ₄	M33	475	535
	20	500	292	652	505	500	265	686.0	24	1 ¹ / ₄	M33	510	585
	24	600	318	772	608	600	410	813.0	24	1 ¹ / ₂	M39	560	-
	30	750	368	882	740	735	660	921.0	36	1 ³ / ₈	M36	650	-
	36	900	483	1044	880	873	1020	1089.0	32	1 ⁵ / ₈	M42	800	-
	42	1050	568	1196	1045	1035	1540	1244.5	36	1 ³ / ₄	M45	920	-
	48	1200	629	1365	1190	1179	2260	1416.0	40	1 ⁷ / ₈	M48	1010	-