

Codification

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1-2 VALVE TYPE

DP	WAFER DUAL PLATE CHECK VALVE
DL	LUG DUAL PLATE CHECK VALVE
DF	FLANGED DUAL PLATE CHECK VALVE
DC	WAFER DISC CHECK VALVE

3-4 BODY MATERIAL

CAST		FORGED	CAST		FORGED	CAST		FORGED
H0	A126 Class B		I1	A351 CF3	-			B462 N08020
H1			I2	A351 CF8	A182 F304			B160 N02200
F0			I3	-	-			B160 N02201
F1	A536 80-55-06		I4	-	A182 F316H			B564 N04400
F2	A536 65-45-12		I5	A351 CF3A	-			B164 N04405
A0	A216WCB	A105	I6	A351 CF8A	-			B564 N06600
A1	-	A350 LF2	I7	A351 CF3M	-			B564 N08800
A2	-	A350 LF6 cl.1	I8	A351 CF8M	A182 F316			B335 N10665
A3	A352 LC2	-	I9	A351 CG8M	-			B564 N10276
A4	A352 LC3	A350 LF3	I9	-	A182 F304L			B564 N06625
A5	A216 WCC	-	IA	1.4581	-			B335 N10001
A6	A352 LCC	-	J1	-	A182 F316L			B573 N10003
A7	-	A350 LF6 cl.2	J2	-	A182 F321	(904L)		B574 N06455
A8	A352 LCB	-	J3	-	A182 F321H			B425 N08825
A9	-	A350 LF1	J4	A351 CF8C	A182 F347			B572 N06002
B1	A217 WC1	A182 F1	J5	-	A182 F347H			B672 N08700
B2	A352 LC1	-	J6	-	A182 F348			B649 N08904
B3	-	A182 F2	J7	-	A182 F348H			B621 N08320
B4	A217 WC4	-	J8	A351 CH8	-			B581 N06985
B5	A217 WC5	-	J9	A351 CH20	-			B581 N06975
B6	-	A182 F12 cl.2	K1	A351 CK20	A182 F310H			B564 N08031
B7	-	A182 F11cl.2	K2	A351 CK3MCuN	A182 F44			B581 N06007
B8	A217 WC6	-	K3	A995 4a	A182 F51			B564 N08810
B9	A217 WC9	A182 F22 cl.3	K4	A995 5a	A182 F53	A494 N-12MV	-	
C1	-	A182 F21	K5	A351 Gr. CE8MN	-	A494 CW-12MW	-	
C2	A217 C5	A182 F5a	K6	A351 Gr. CD4MCu	-	-	B511 N08330	
C3	-	A182 F5	K7	A351 Gr. CD3MWCuN	-	A351 CN-7M	-	
C4	A217 C12	A182 F9	K8	-	A182 Gr. F55			
C5	A217 C12A	A182 F91						

6 ENDS CONNECTIONS

0	RF	P	BSPP
J	RTJ	T	BSPT
F	FF	N	NPT
B	BW ANSI	W	WAFER
V	BW DIN	L	LUG
S	SW ANSI	C	CLAMP
Z	SW DIN	X	SPECIAL

9-10 RATING

06	PN6	P0	PN100
10	PN10	A8	ANSI800
16	PN16	A9	ANSI900 (PN150)
A1	ANSI150 (PN20)	P1	PN160
25	PN25	P2	PN250
A3	ANSI300 (PN50)	AA	ANSI1500 (PN250)
40	PN40	AB	ANSI2500 (PN420)
A4	ANSI400 (PN64)	AC	ANSI4500
64	PN64	P4	PN400
A6	ANSI600 (PN100)	P6	PN630

12-14 SIZE

050	2" - DN50
200	8" - DN200
912	48" - DN1200

Design Attributes

Flanged Dual Plate Check Valves use two half-sphere discs and a connecting hinge to create a closure element that collapses when positive flow exists, and folds back to a full circular disc when reverse flow exists. Discs are preloaded with springs that favour the closing of the valve when no positive flow. These valves are featured as a light, compact and economic option. With a dedicate design and production, they offer a low pressure drop in comparison to other flanged check valves, and full seat tightness, being widely used mainly in clean water and oil systems, with significant savings in space and investment costs for installation.



Main Features

Valve design: API 594
Nominal Pressure: 150#/300#
Face to face length: API 594
Valve end connections: Flanged acc. to ASME B16.5 / B16.47 RF
Marking: MSS SP-55
Pressure Tests: API 598
Primer painted for protection during storage and transport
Product compliant with Directive 2014/68/EU on Pressure Equipment (PED) for European Union territory

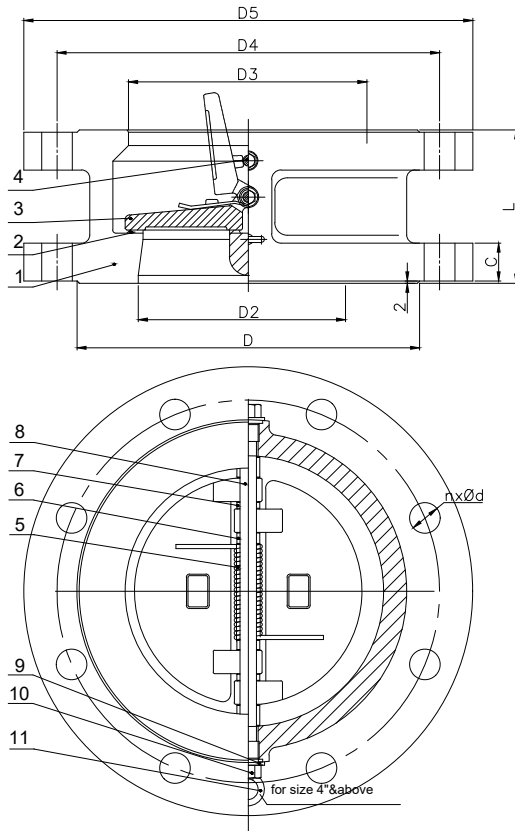
Main Duties / Limits of use

Fluids compatible with materials of construction. Questions referring to chemical resistance, please consult us
Pressure / Temperature Rating to ASME B16.34
For products compliant with Directive 2014/68/EU, observe also limits acc. to Annex II tables 6 & 8 (gases & liquids group 1*) and tables 7 & 9 (gases & liquids group 2*) up to category III
*Classification of fluids (group 1 or 2) acc. to Directive 2014/68/EU, Article 13

Options

Other designs and materials. Please consult us

Main Parts and Materials



Nº	PART	MATERIAL				
1	BODY	A216 WCB	A351 CF8M	1.4469	C93200	A995 5A
2	SEALING FACE	13CR overlay			A351 CF8	EPDM
3	DISC	A216 WCB	CF8M	1.4469	C93200	A995 5A
4	STOP PIN	A182 F304				A182 F53
5	SPRING	SS304	SS316	X-750		X-750
6	BEARING WASHER	SS304	Viton	Viton	EPDM	
7	BEARING WASHER	SS304	Viton	Viton	EPDM	
8	HINGE PIN	A182 F304	F316	254SMO	A182 F6	
9	GASKET	SS304				
10	POSITION PLUG	Carbon steel				
11	EYEBOLT	Carbon steel				

Main Valve Parameters

DN	mm inch	50 2	65 2½	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14
150#	D	92,1	104,8	127	157,2	185,7	215,9	269,9	323,8	381	412,8
	D2	51	65	80	102	127	152	203	254	305	350
	D3	56	73	88	108	132	160	210	266	310	355
	D4	120,7	139,7	152,4	190,5	215,9	241,3	298,5	362	431,8	476,3
	D5	150	180	190	230	255	280	345	405	485	535
	C	14,3	15,9	17,5	22,3	22,3	23,9	27	28,6	30,2	33,4
	n-Ød	4 - 3/4	4 - 3/4	4 - 3/4	8 - 3/4	8 - 7/8	8 - 7/8	8 - 7/8	12 - 1	12 - 1	12 - 1 1/8
300#	L	60	67	73	76	86	98	127	146	181	184
	D	110	128	147	179	214	249	305	359	420	483
	D2	51	65	80	102	127	152	203	254	305	350
	D3	58	73	88	108	132	160	210	266	310	355
	D4	127	149,2	168,3	200	235	269,9	330,2	387,4	450,8	514,4
	D5	165	190	210	255	280	320	380	445	520	585
	C	20,7	23,9	27	30,2	33,4	35	39,7	46,1	49,3	52,4
	n-Ød	8 - 3/4	8 - 7/8	8 - 7/8	8 - 7/8	8 - 7/8	12 - 7/8	12 - 1	16 - 1 1/8	16 - 1 1/4	20 - 1 1/4
	L	60	67	73	73	86	98	127	146	181	222

Dimensions in mm subject to manufacturing tolerance

DN	mm inch	400 16	450 18	500 20	600 24	700 28	750 30	800 32	900 36	1050 42	1200 48
150#	D	512	547	604	715	773	824	878	983	1142	1302
	D2	400	450	500	600	700	746	796	898	1050	1200
	D3	405	455	505	605	700	750	800	910	1055	1205
	D4	539,8	577,9	635	749,3	863,6	914,4	977,9	1085,8	1257,3	1422,4
	D5	595	635	700	815	925	985	1060	1170	1345	1510
	C	35	38,1	41,3	46,1	69,9	73,1	79,4	88,9	95,3	106,4
	n-Ød	16 - 1 1/8	16 - 1 1/4	20 - 1 1/4	20 - 1 3/8	28 - 1 3/8	28 - 1 3/8	28 - 1 5/8	32 - 1 5/8	36 - 1 5/8	44 - 1 5/8
300#	L	191	203	219	222	305	305	305	368	432	524
	D	537	594	652	772	895	949	1003	1113	1161	1320
	D2	400	450	500	600	685	735	784	873	1035	1166
	D3	405	455	505	608	685	740	784	880	1045	1190
	D4	571,5	628,6	685,8	812,8	939,8	997	1054,1	1168,4	1206,5	-
	D5	650	710	775	915	1035	1090	1150	1270	1290	-
	C	55,6	58,8	62	68,3	84,2	90,5	96,9	103,2	117,5	-
	n-Ød	20 - 1 3/8	24 - 1 3/8	24 - 1 3/8	24 - 1 5/8	28 - 1 3/4	28 - 1 7/8	28 - 2	32 - 2 1/8	32 - 1 3/4	-
	L	232	264	292	318	368	368	368	483	568	629

Dimensions in mm subject to manufacturing tolerance

Information / restriction of technical rules need to be observed!
Installation, Operating and Maintenance Manual can be downloaded at www.comeval.es

The engineer, designing a system or a plant, is responsible for the selection of the correct valve
Product suitability must be verified, contact manufacturer for information