



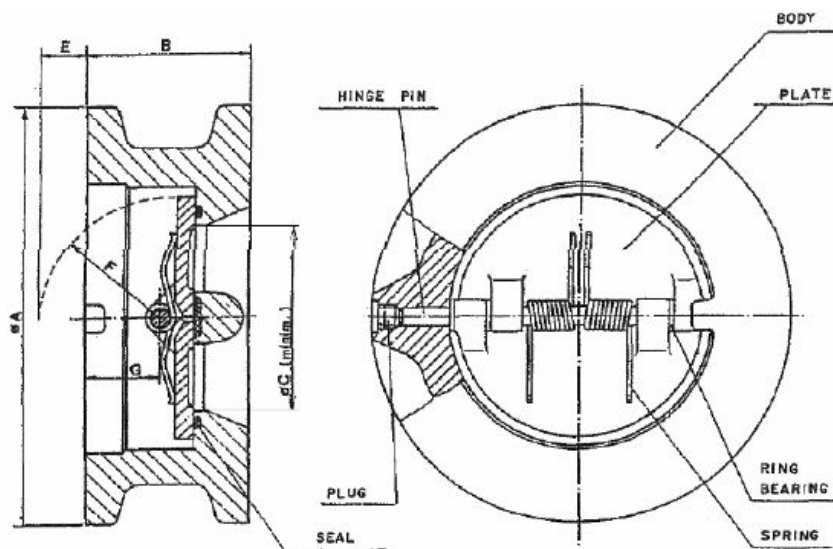
Double-Disc Check Valve

5/066

Wafer type

PN10-25, DN40-1200

Design and application	Wafer type design swing check valve with split disc and closing spring for pressure differences $1\text{ bar} < \Delta p < 25\text{ bar}$.
Materials	Material combinations and sealing materials for various service conditions are available, a detailed specification follows by request.
Rating	For Pressure rating see measure table, max. working temperature depending on sealing material up to 232°C (450°F). Suitable for service under vacuum.
Installation	The valve is to be installed between flanges according DIN, other connections by request.



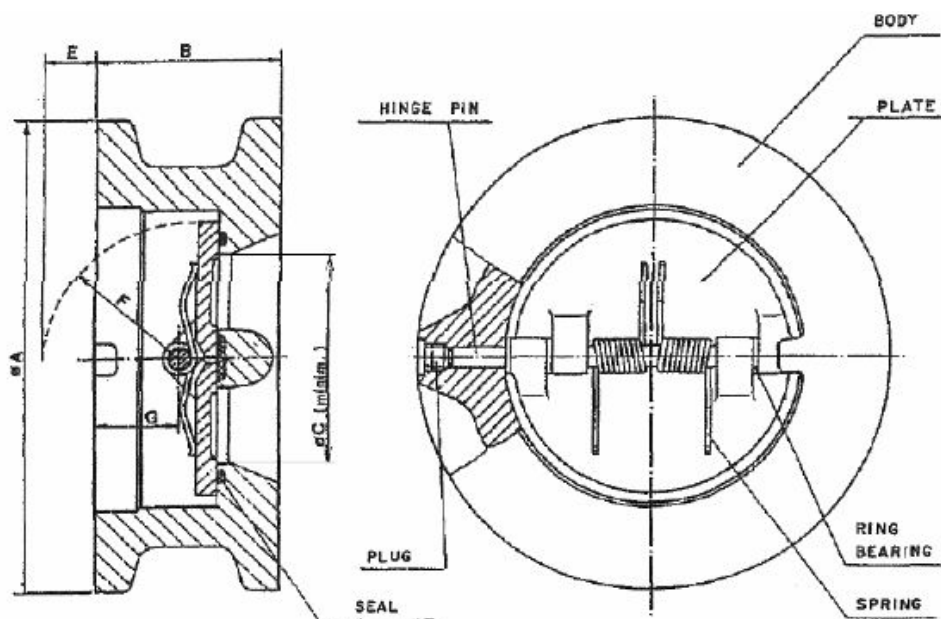


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Dimensions

DN		PN	A			B	C	E	F	G
[mm]	[inch]		PN10	PN16	PN25					
40	1 ½	10/16/25	94	94	94	54	38	18	33	20
50	2	10/16/25	110	110	110	60	46	12	33	22
65	2 ½	10/16/25	129	129	129	67	58	12	33	25
80	3	10/16/25	144	144	144	73	71	18	41	26
100	4	10/16/25	165	165	165	73	94	28	52	26
125	5	10/16/25	194	194	194	86	118	35	70	34
150	6	10/16/25	221	221	221	98	128	33	70	34
200	8	10/16/25	276	276	284	127	188	60	104	49
250	10	10/16/25	330	330	341	146	244	81	126	60
300	12	10/16/25	381	381	403	181	295	100	153	75
350	14	10/16/25	440	440	460	184	320	108	168	77
400	16	10/16/25	491	491	515	191	380	137	195	82
450	18	10/16	541	558	-	203	420	152	217	85
500	20	10/16	597	620	-	219	470	175	247	92
600	24	10/16	699	738	-	222	565	222	299	102
700	28	10/16	808	808	-	321	670	250	352	140
800	32	10/16	915	915	-	356	780	290	395	155
900	36	10/16	1021	1015	-	368	850	332	445	170
1000	40	10	1124	-	-	419	940	332	483	200
1200	48	10	1344	-	-	450	1150	442	601	215

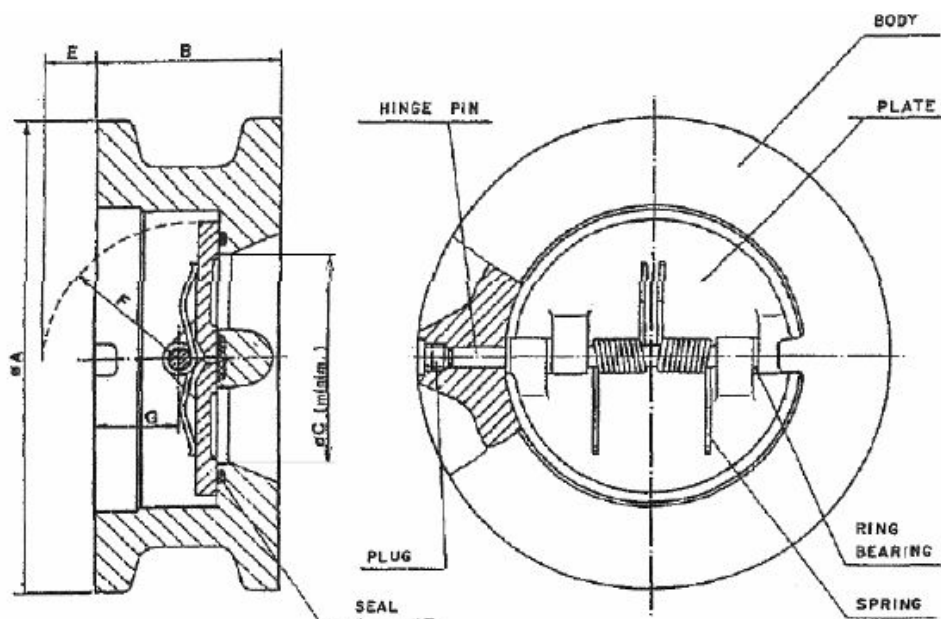


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Materials

No.	Designation	Construction Code			
		Code 1	Code 2	Code 3	Code 4
1	Body	A 216 WCB + 304	A 182 F321	A 351 CF8	A 216 WCB
2	Disc	A 351 CF8	A 182 F321	A 351 CF8	A 216 WCB
3	Pin	F 304	F 321	Inconel 750	F6
4	Spring	Inconel 750	Inconel X750	Inconel X750	Spring steel / 316
5	Seat Seal	304	F 321	A 351 CF8	NBR

Temperature limits depending on sealing material

Material	max °C
NBR	120
Neoprene	120
Hipalon	149
Viton	232
EPDM	120