DUAL PLATE CHECK VALVE
FIG. 100B / 100E

TECHNICAL DETAILS:
- Check valve with twin disc
- Wafer design
- Body in cast iron
- Soft seal
- Suitable for flanges PN 10 / 16

FIGURE:
100B: body in cast iron, disc in nodular cast iron, seat in NBR, temperature range -10°C ~ 90°C
100E: body in cast iron, disc in stainless steel, seat in EPDM, temperature range -10°C ~ 110°C

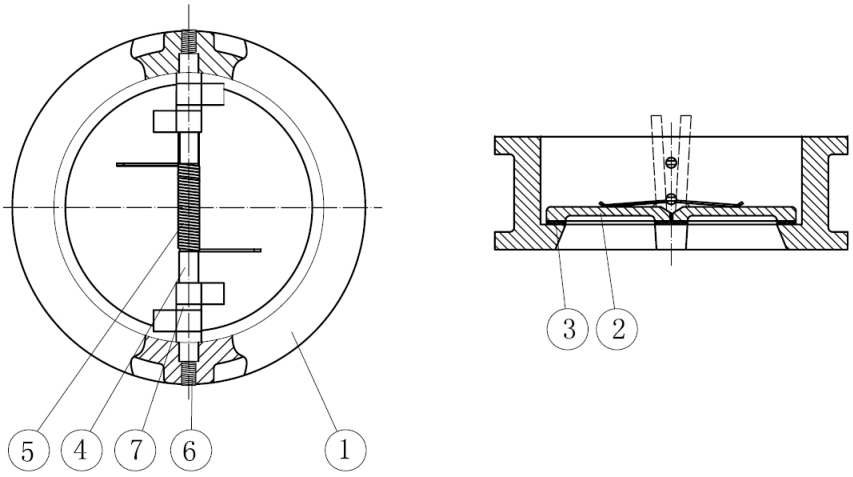


CE

DESIGN STANDARDS	
Swing check valve	ISO 9001 : 2015, API 594
TESTS AND CERTIFICATES	
Quality Assurance	CE/PED
Face-to-face	EN 558 series 50
Flanges	Mounting between flanges according to EN 1092-1 PN 10 / 16
Leakage test	API 598, table 6

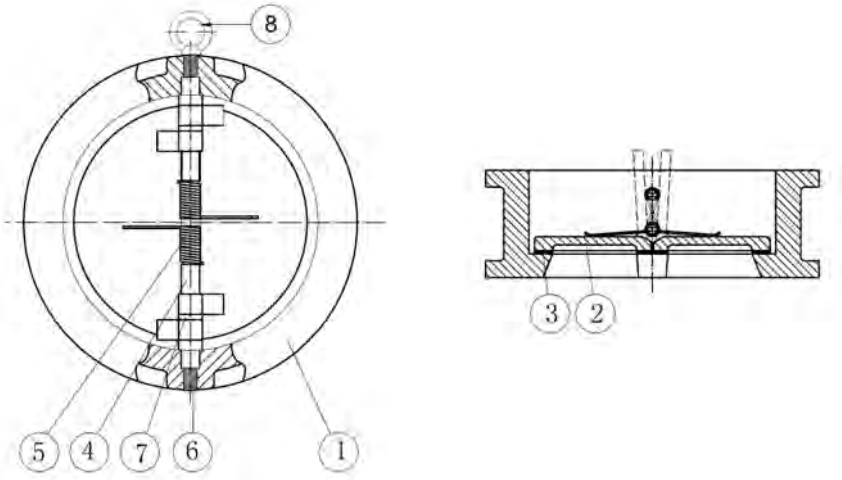
Subject to changes

DN 40 ~ DN 80



Pos.	Component	Material	
		100B	100E
1	Body	Cast iron EN-GJL 250	
2	Disc	Nodular cast iron EN-GJS 400-15, nickel plated	Stainless steel ASTM A315 CF8M
3	Seat	NBR	EPDM
4	Shaft	Stainless steel 304	Stainless steel 316
5	Spring	Stainless steel 304	Stainless steel 316
6	Screw	Steel, galvanised	
7	Bushing	PTFE	

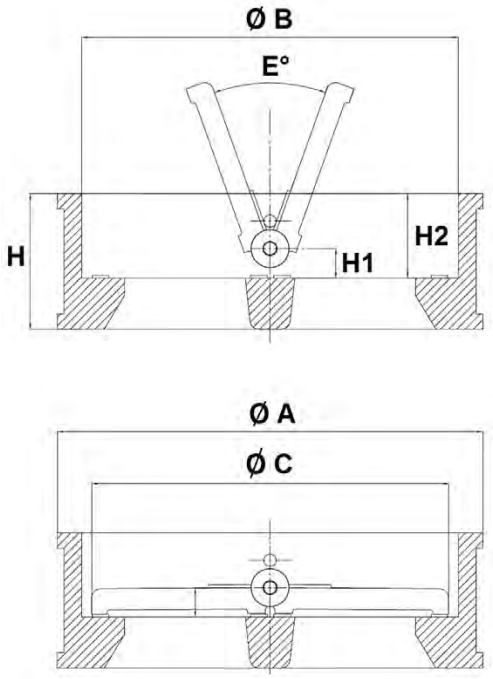
DN 100 ~ DN 600



Pos.	Component	Material	
		100B	100E
1	Body	Cast iron EN-GJL 250	
2	Disc	Nodular cast iron EN-GJS 400-15, nickel plated	Stainless steel ASTM A315 CF8M
3	Seat	NBR	EPDM
4	Shaft	Stainless steel 304	Stainless steel 316
5	Spring	Stainless steel 304	Stainless steel 316
6	Screw	Steel, galvanised	
7	Bushing	PTFE	
8	Eye bolt	Stainless steel 304	

Subject to changes

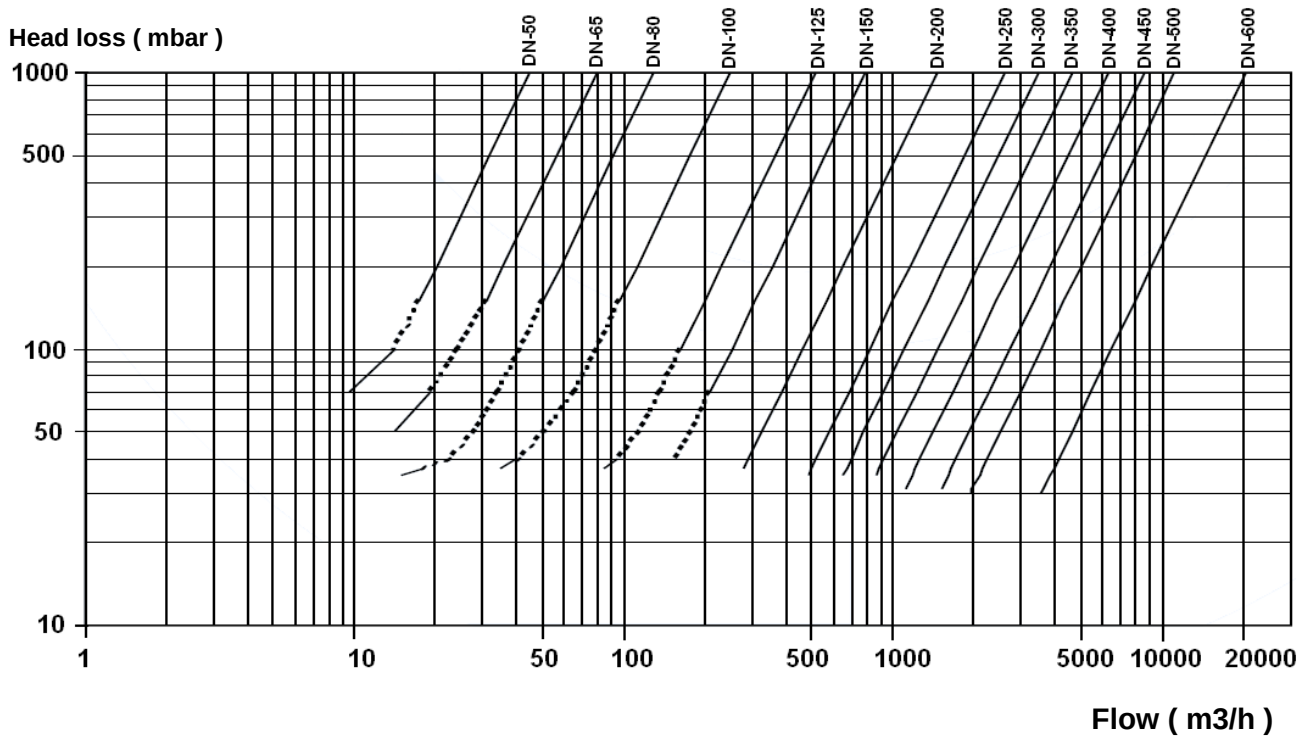
DUAL PLATE CHECK VALVE
Dimensions



DN	H	H1	H2	Ø A	Ø B	Ø C	E°	Kg
40	43	12	33	82	56.5	52	0°	1.6
50	54	14.4	43	109	70.5	60.5	0°	1.62
65	54	16.9	43	129	83.5	75.8	0°	2.3
80	57	19.9	45	144	91.5	80.5	0°	3.14
100	64	21	47	164	115.5	104.5	0°	4.5
125	70	22.3	51	194	142.5	130.3	0°	6.7
150	76	22.5	54	220	169.5	155.9	0°	9.05
200	95	28	69	275	220.5	201.2	0°	16
250	108	34	71	330	275.5	257.2	0°	26.9
300	144	37	100	380	325.5	303.3	0°	38.9
350	184	35	120	440	356	345.9	20°	80
400	191	37.5	123	491	406	388.6	20°	106
450	203	42.2	122.6	541	467	431.2	20°	128
500	213	39.5	132	596	514	486.8	25°	158
600	222	48.5	138.5	697	616	607.6	25°	225

Subject to changes

Head loss:



Minimum opening pressure (mbar)		
DN	Horizontal	Vertical uphill
40	150	190
50	230	260
65	94	114
80	190	230
100	280	320
125	160	180
150	79	95
200	41	57
250	38	58
300	31	56
350	-	-
400	-	-
450	-	-
500	-	-
600	-	-

Subject to changes