



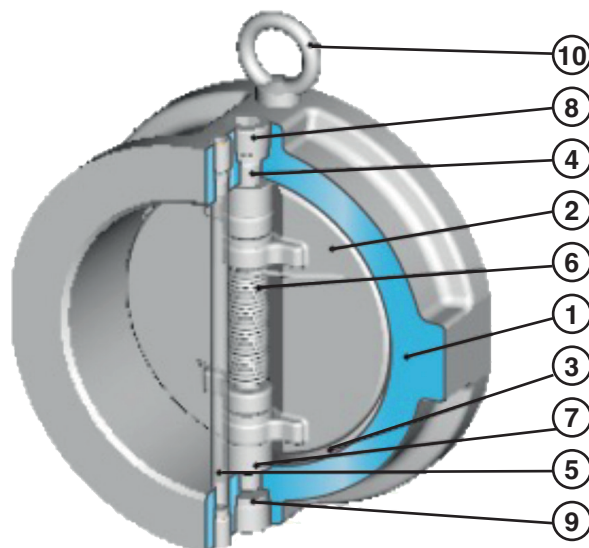
Wafer dual plate check valves, PN 16 with spring return.

AT.EX. certified for zone 1 and 21

Available

- CV-122E
- CV-122B

CV-122

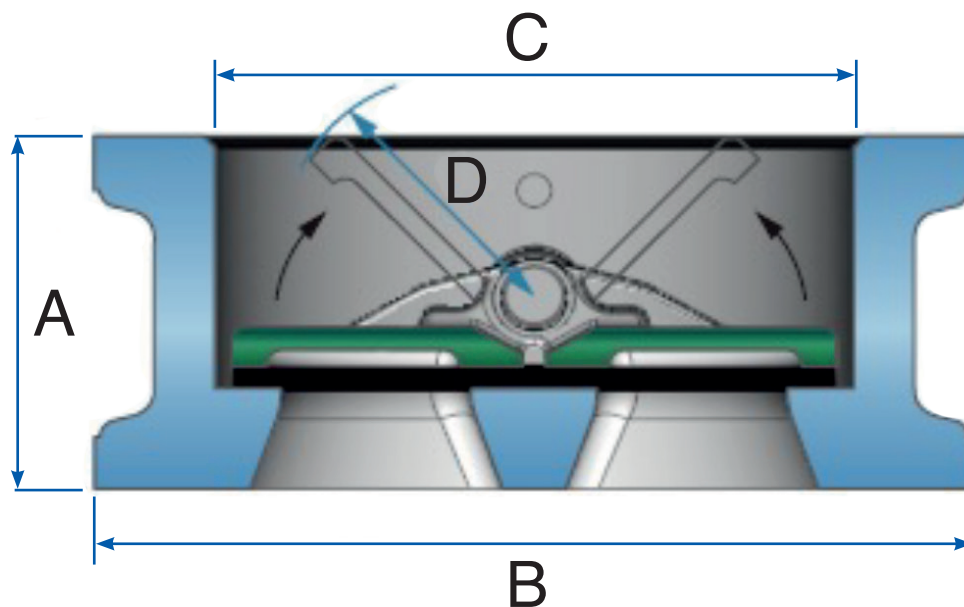


ITEM	PARTS	MATERIAL	STANDARD
1	BODY	CAST IRON	GG25
2	DISC	BRONZE	-
		STAINLESS STEEL	ASTM A351 CF8M
3	SEAT	NBR	-
		EPDM	-
4	HINGE PIN	STAINLESS STEEL	AISI 304
5	STOP PIN	STAINLESS STEEL	AISI 304
6	SPRING	STAINLESS STEEL	AISI 304
7	BUSHING	P.T.F.E.	-
8	SET BOLT	STEEL	-
9	PACKING	NBR	-
10	EYE BOLT	FORGING STEEL	-

TECHNICAL DETAILS

- Body: cast iron.
- Discs: bronze or stainless steel (ASTM A351 CF8M).
- Seats: EPDM (CV-122E), NBR (CV-122B).
- The semicircular plates work according to springs reactions, the pressure of medium open them and the pressure of springs close them. Due to very quick reaction of spring cycle, it could protect piping from water hammer.
- Sizes: from DN 50 to DN 600.
- Suitable for PN 10-16 flanges and ANSI 150.
- Rating: PN 16.
- Working temperature:
 - EPDM: -20°C / +120°C
 - NBR: -10°C / +80°C
- Hydraulic tests according to ISO 5208.
- Body tested at 24 bar.
- Seat tested at 18 bar.

DIMENSIONS

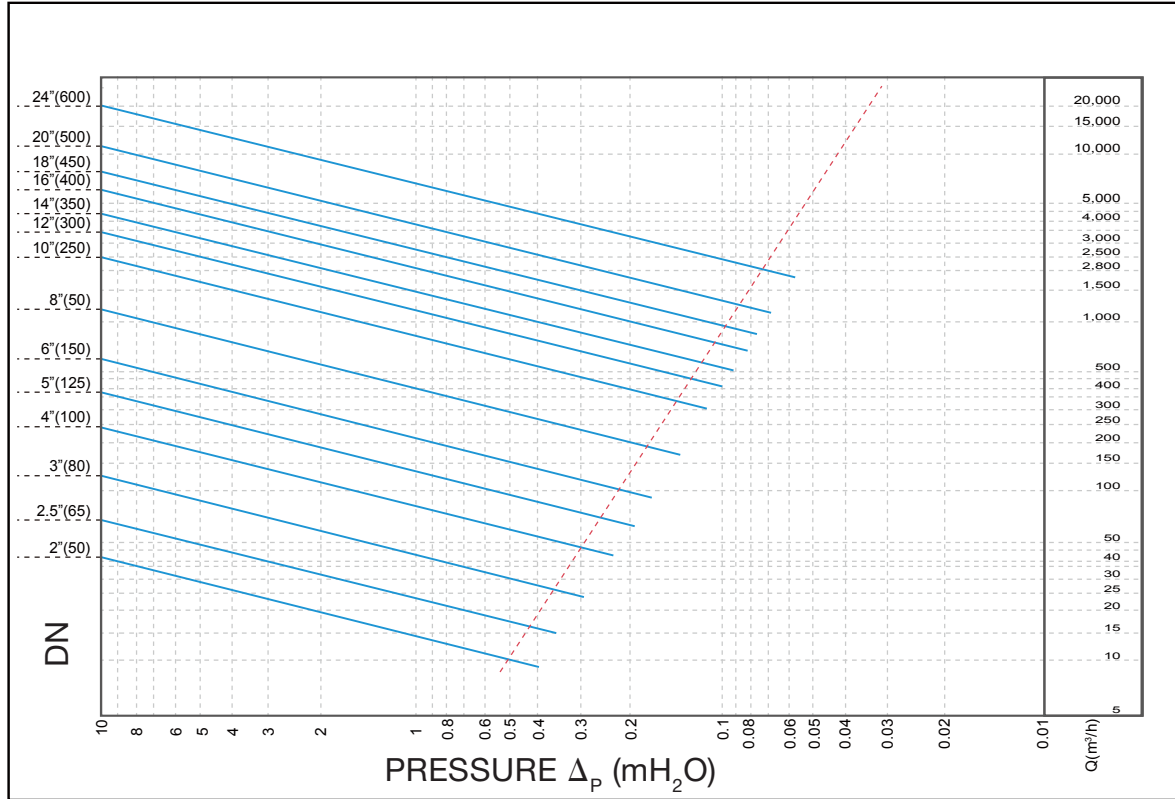


DN	DIMENSIONS (mm)				WEIGHT (kg)
	A	B	C	D	
50	43	98	66	29	1.6
65	46	110	80	36	1.9
80	64	128	100	44	2.7
100	64	156	112	53	4.2
125	70	187	135	65	6.8
150	76	213	160	77	10.7
200	89	267	210	102	17.2
250	114	328	260	127	28.7
300	114	375	310	152	33.0
350	127	415	360	170	71.0
400	140	482	410	220	99.0
450	152	530	460	225	118.0
500	152	580	510	250	180.0
600	222	718	610	292	549.0

WORKING OPERATIONS

CRACKING PRESSURE	
DN	Mbar
50	35
65	35
80	30
100	25
125	20
150	20
200	19
250	19
300	18
350	18
400	15
450	12
500	12
600	11

PRESSURE DROP



DN	50	65	80	100	125	150	200
CV	55	85	145	290	460	800	1550
DN	250	300	350	400	450	500	600
CV	2800	4100	5350	8250	10550	14500	24000

SUGGESTED BOLTS

DN	FLANGES PN 10		FLANGES PN 16	
	QUANTITY	BOLTS	QUANTITY	BOLTS
50	4	M16 x 110	4	M16 x 110
65	4	M16 x 110	4	M16 x 110
80	4	M16 x 140	8	M16 x 140
100	8	M16 x 140	8	M16 x 140
125	8	M20 x 150	8	M16 x 150
150	8	M20 x 150	8	M20 x 150
200	8	M20 x 170	12	M20 x 170
250	12	M20 x 210	12	M24 x 210
300	12	M20 x 210	12	M24 x 210
350	16	M20 x 220	16	M24 x 220
400	16	M24 x 230	16	M27 x 230
450	20	M24 x 240	20	M27 x 240
500	20	M24 x 250	20	M30 x 250
600	20	M27 x 320	20	M33 x 320