DOUBLE CHECK VALVE DC

TECHNICAL DATA

Nominal diameter: DN 50 – DN 300

Face-to-face: DIN 3202-K3/ISO 5752 long

Flange accomodation: DIN 2632/33 PN 10/16
ANSI B 16.5, Class 150

Flange Surface Design: DIN 2526, Form A-E, ANSI RF

Marking: DIN EN 19

Tightness check: DIN 3230 T3, BN (Leakage Rate 1)
ISO 5208, Category 3
API 598 Table 5
ANSI B 16-104, Class VI

Use standard: EN 593 (DIN 3354)

Temperature range: 0 °C to +130 °C (depending on pressure, medium and temperature)

Standard construction:

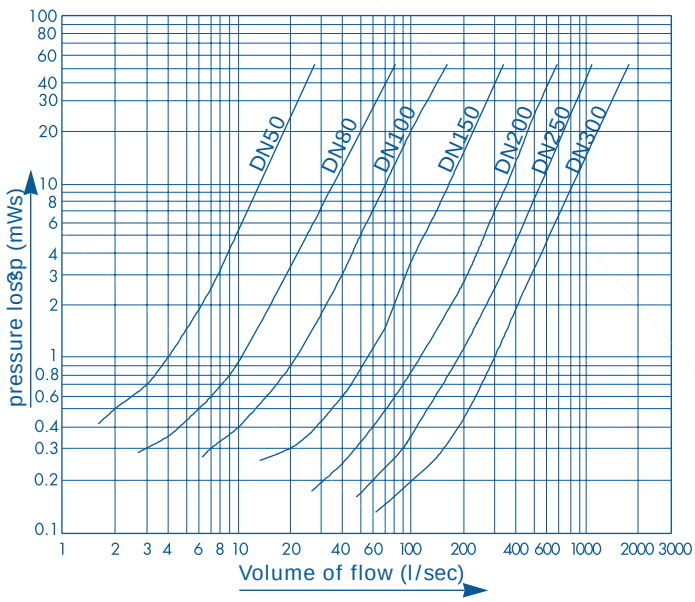
	DC 1	DC 2
Body:	GG-25	GG-25
Disc:	Bronze	Stainless Steel
Shafts:	Stainless Steel	Stainless Steel
Springs:	Stainless Steel	Stainless Steel
Seal:	NBR	EPDM
Bearing:	PTFE	PTFE
Operating pressure:	16 bar	16 bar

FEATURES

– Maintenance-free double wafer pattern check valve

– Can be diassembled, material-specific recycling possible.

PRESSURE LOSS DIAGRAM



The values given in the diagram are valid for water at 20 °C.They result of measurements at valves which are mounted in an horizontal conduction. For the ascertainment of pressure losses for other media, the water flow amount has to be calculated with the following formular:

$$W_{äp} = \frac{\text{ÐÐÐÐÐQ}_B}{1000}$$

$W_{?p}$ = equivalent water flow in m^3/h

$_B$ = flow amount of the media in its operating condition in m^3/h

Q_B = Volume of flow in operating condition in l/s

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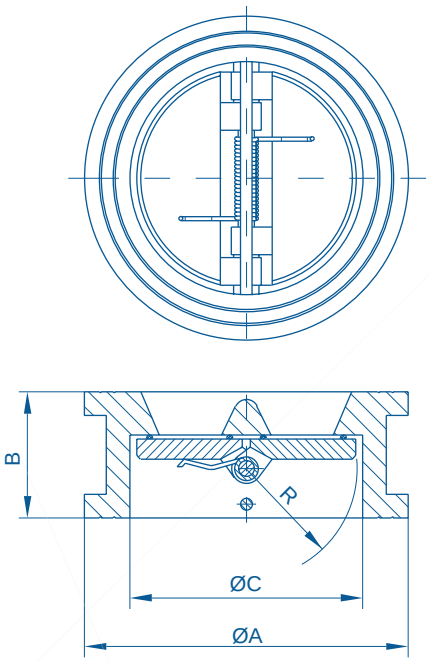

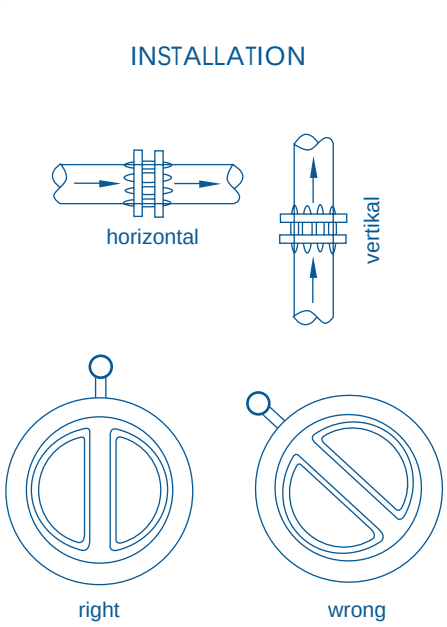

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DN [mm]	Size [in]	Dimensions [mm] A	B	C	R	min.Opening pressure [mbar]	K_v [m³/h]	Weight [kg]
50	2	109	43	72	31	42	45	1,7
65	2½	129	46	75	35	42	70	2,4
80	3	144	64	90	42	38	120	3,6
100	4	164	64	118	56	30	240	4,5
125	5	194	70	142	66	25	350	7,0
150	6	220	76	170	79	25	650	9,8
200	8	275	89	222	102	20	1300	25,0
250	10	330	114	274	128	18	2100	30,0
300	12	380	114	328	155	16	3500	36,5

Subject to change without notice.

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03.2002 PDF