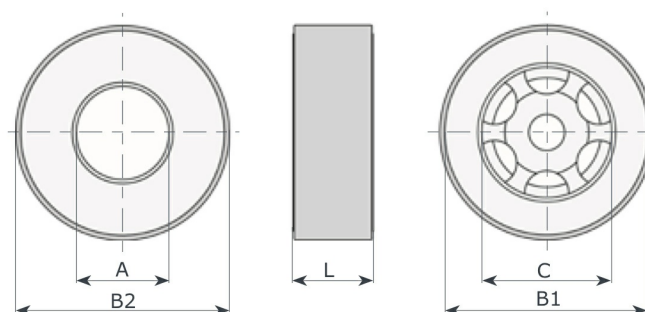


Check valve Series CH021



Design type	Check valve, Sandwich mounting version, Installation length according to DIN EN558-1-R49
Connection	Flanges DN15...DN100 according to EN1092
Flange type	PN10/16 (without back-up ring PN6, ANSI150)
Materials	Housing, Valve plate, Seal PTFE, Spring Hastelloy C4, Back-up ring Stainless steel 1.4301 (not in contact with the medium)
Application range	Fluids and gases of group 1 and 2 in accordance with PED 2014/68/EU that do not attack the materials used.
Medium temperature	-10...+180°C
Operating pressure	max. 6bar up to medium temperature 150°C, Permissible operating pressure for higher temperatures see pressure-temperature diagram
Mounting type	Installation in rigid piping system
Mounting position	horizontal or vertical
Special versions	Spring Stainless steel PTFE-coated, other opening pressures



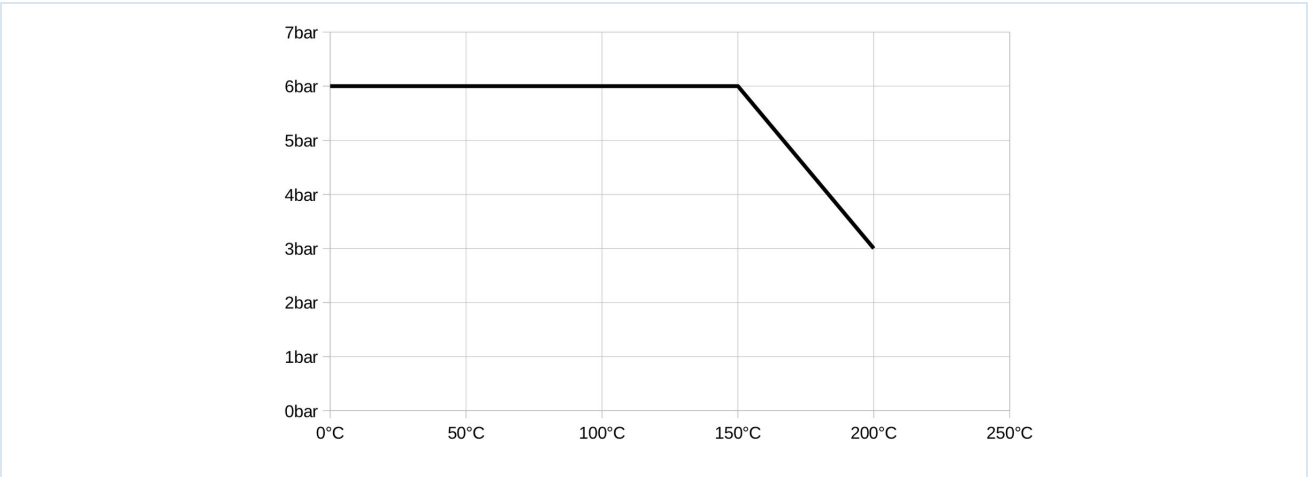
DN[mm]	A	B1	B2	C	L	Kv value [m ³ /h]	Weight [approx. kg]	Type
15	15	44	50	30	16	2,8	0,11	CH021-15
20	20	54	60	38	19	4,7	0,16	CH021-20
25	25	64	70	40	22	6,4	0,24	CH021-25
32	32	75	80	56	28	14,0	0,32	CH021-32
40	38	85	90	65	32	20,6	0,40	CH021-40
50	47	96	107	78	40	31,3	1,00	CH021-50
65	63	116	130	95	46	49,2	1,40	CH021-65
80	79	133	140	100	50	60,0	1,70	CH021-80
100	96	154	162	120	60	85,0	2,20	CH021-100



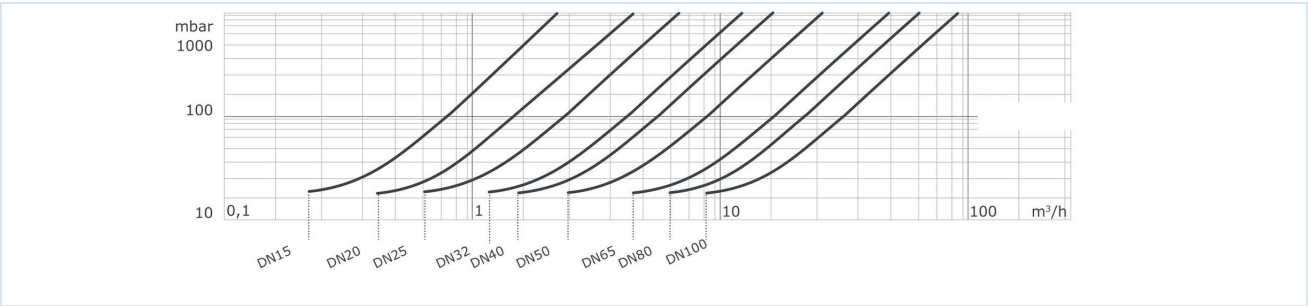
Opening pressures in [mbar]

Flow direction		DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
	vertical from bottom to top	23	23	24	25	26	26	27	27	29
	horizontal	22	22	22,5	23	23,5	23,5	24	24	25
	vertical from top to bottom	21	21	21	21	21	21	21	21	21

Pressure-temperature diagram:



Pressure drop curve for water:



Illustrations non-binding
Design, dimensional and material changes reserved