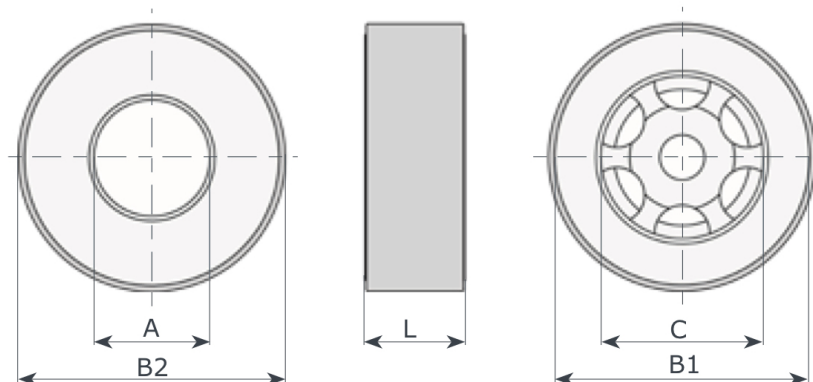


check valve series CH021



design	check valve, wafer type, face to face length acc. DIN EN558-1-R49
connection	flange DN15...DN100 according to EN1092
form of flange	PN10/16 (without support ring PN6, ANSI150)
materials	body, disc, seal PTFE, spring hastelloy C4, support ring stainless steel AISI 304 (not wetted)
application	group 1 and 2 liquids and gases acc. to PED 2014/68/EU and which do not affect the used materials.
medium temperature	-10...+180°C
operating pressure	max. 6bar up to media temperature 150°C, permissible operating pressure for higher temperatures see pressure-temperature diagram
type of fixing	installed into rigid pipework
mounting position	horizontal or vertical
special versions	spring stainless steel PTFE-coated, other opening pressure

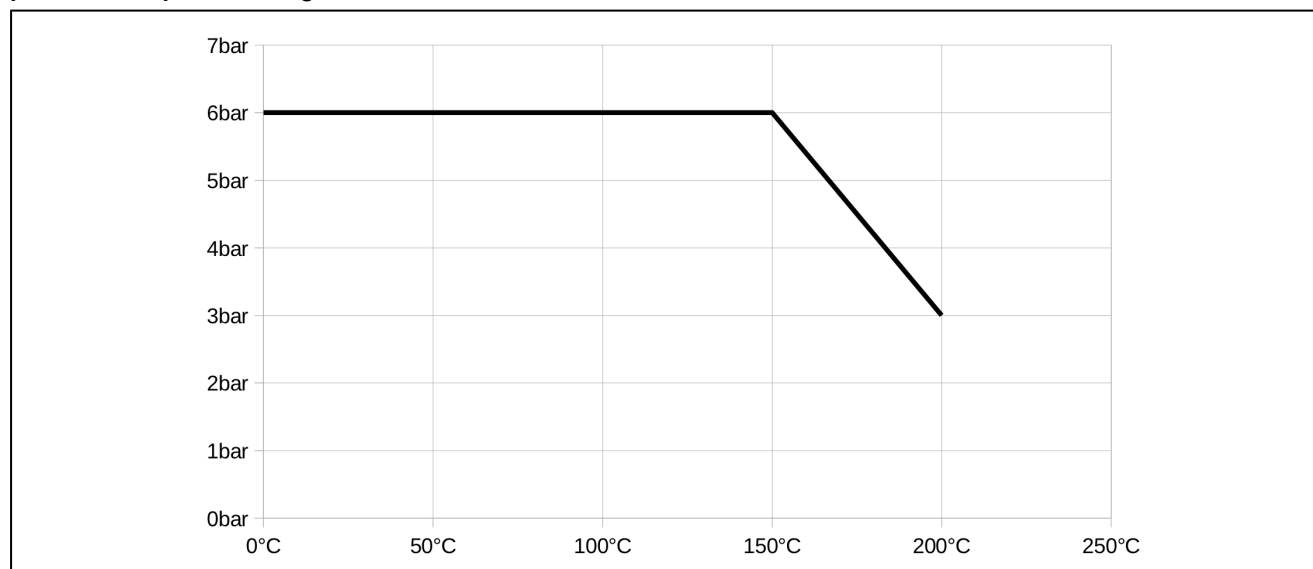


DN[mm]	A	B1	B2	C	L	kv value [m ³ /h]	weight [app. kg]	type
15	15	44	50	30	16	2,8	0,11	CH021-15
20	20	54	60	38	19	4,7	0,16	CH021-20
25	25	64	70	40	22	6,4	0,24	CH021-25
32	32	75	80	56	28	14,0	0,32	CH021-32
40	38	85	90	65	32	20,6	0,40	CH021-40
50	47	96	107	78	40	31,3	1,00	CH021-50
65	63	116	130	95	46	49,2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

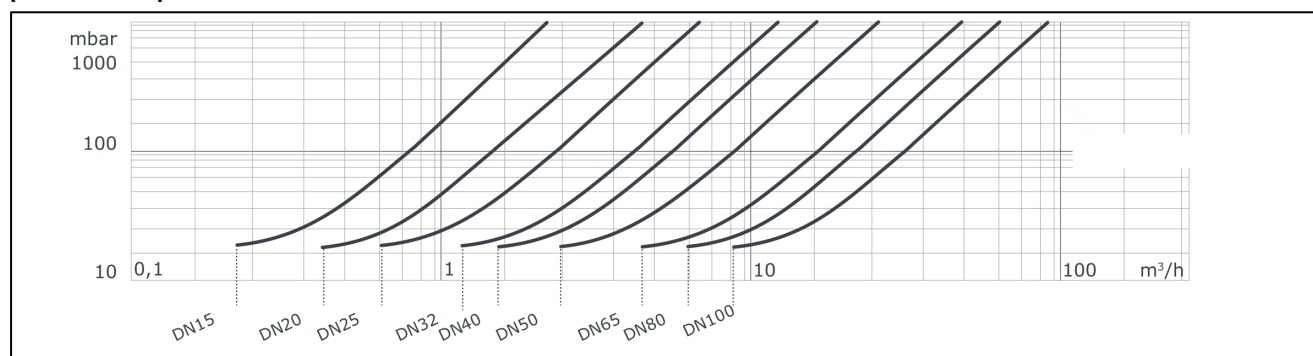
opening pressure in [mbar]

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

pressure-temperature diagram:



pressure drop characteristic line for water:



illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice