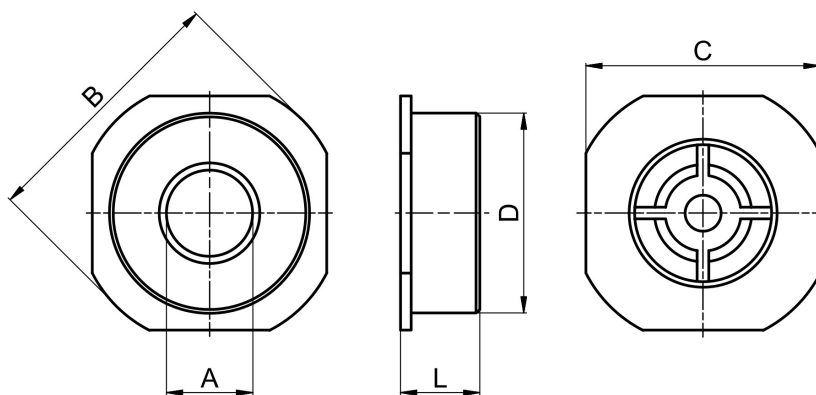


check valve series CH058



design	wafer flange check valve with metal seal, face to face length acc. DIN EN558-1-R49
tightness	according to DIN3230 BN3, for gaseous media we suggest soft seals
connection	flange DN15...DN100 according to EN1092
form of flange	DN15...DN80 PN6-PN40, DN100 PN10-40, DN15...DN100 ANSI150-300
materials	body stainless steel AISI 316, disc made of stainless steel AISI 316L, spring stainless steel AISI 316
medium temperature	-10...+270°C
operating pressure	max. 52bar up to media temperature 50°C, permissible operating pressure for higher temperatures see pressure-temperature diagram
type of fixing	installed into rigid pipework
mounting position	horizontal or vertical
application	group 1 and 2 liquids and gases acc. to PED 2014/68/EU and which do not affect the used materials.
special versions	without spring, other opening pressure, soft seals for better tightness

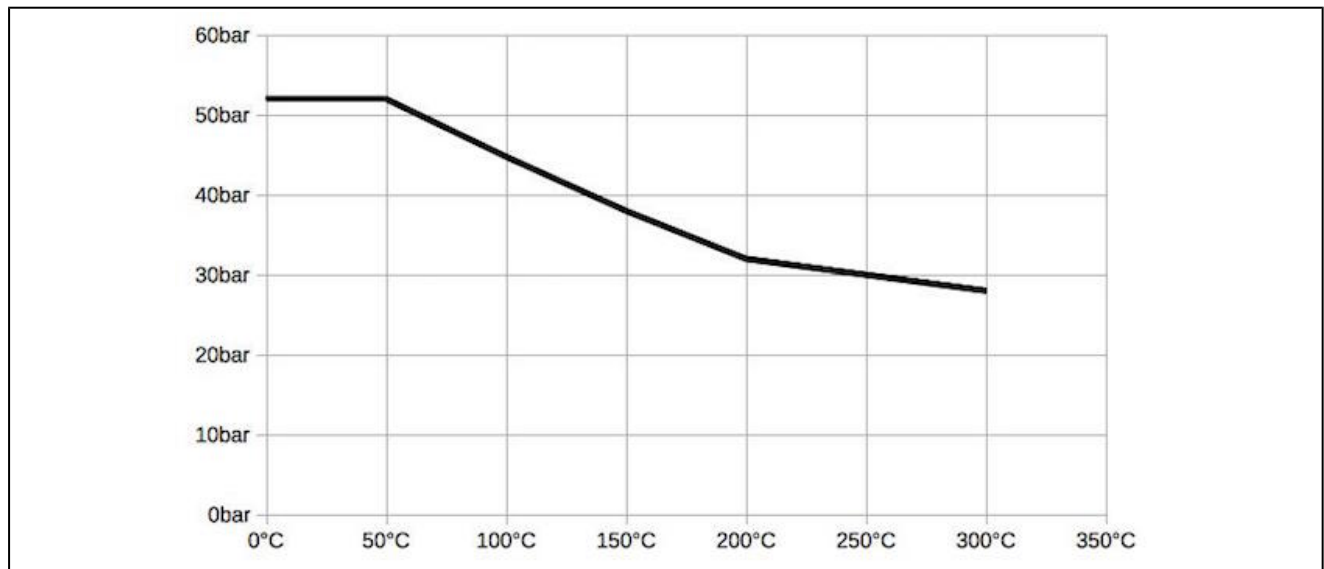


DN[mm]	A	B	C	D	L	kv value [m3/h]	weight [app. kg]	type
15	15	53	45	42	16	3,0	0,11	CH058-15
20	20	63	55	46	19	4,8	0,14	CH058-20
25	24	73	65	55,5	22	6,8	0,26	CH058-25
32	31	84	74	64	28	14,0	0,40	CH058-32
40	38	94	84	73,5	32	22,0	0,60	CH058-40
50	47	107	98	95	40	32,0	0,95	CH058-50
65	62	131	118	107	46	51,0	1,30	CH058-65
80	77	140	130	126	50	68,0	1,90	CH058-80
100	95	162	162	155	60	100,0	3,40	CH058-100

opening pressure in[mbar]

flow direction			DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
with standard spring		vertical from the bottom up	25	25	25	27	29	29	31	32	33
		horizontal	23	23	23	24	25	25	26	26	27
		vertical top down	21	21	21	21	21	21	21	21	21
without spring		vertical from the bottom up	2	2	2	3	4	4	5	5	6

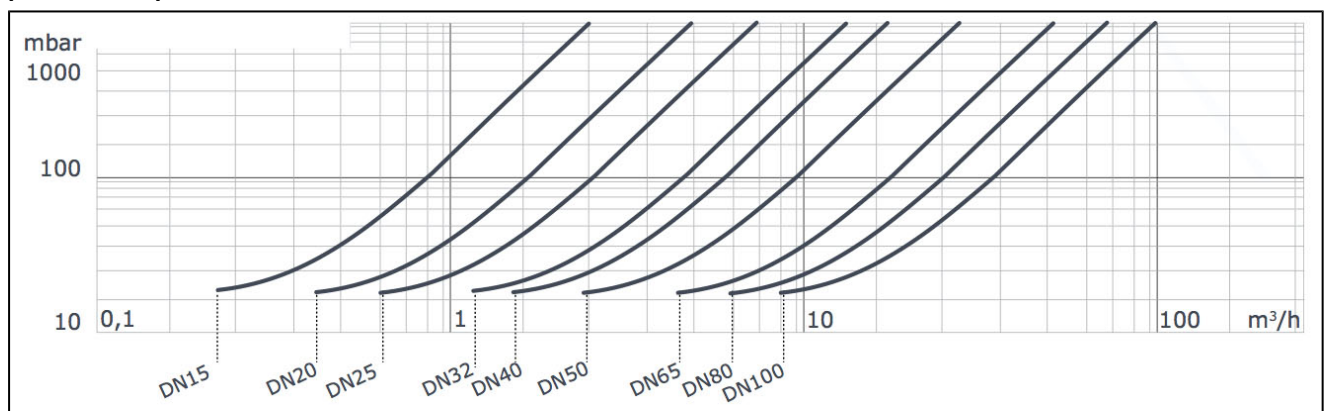
pressure-temperature diagram:



medium temperature:

seal	temperature range [°C]	application
NBR	-10...+95	neutral gases and liquids
EPDM	-10...+130	hot water, steam, oxygen
FKM	-10...+200	oils and petrols
PTFE	-10...+200	aggressive media

pressure drop characteristic line for water:



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