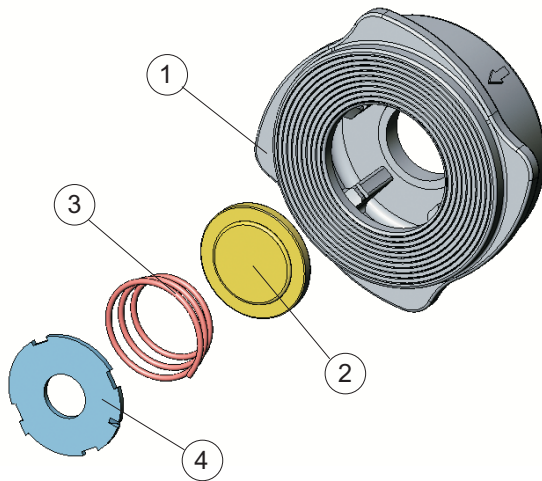




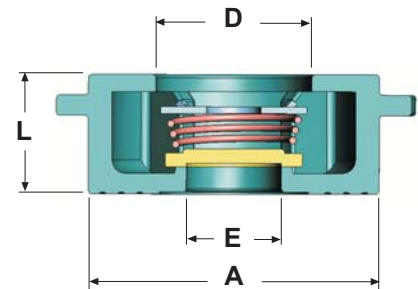
GB 015
Wafer disc check valves
DN 15÷100 • PN 6÷40 • ANSI 150÷600
Max pressure: 52 Bar

FEATURES and ADVANTAGES

Little dimensions and low weights.
 Face to Face acc. to DIN EN 558-1 Series 49 (DIN 3202 K4)
 To be installed in any position, also with downwards flow.
 Usable also as vacuum breaker, overpressure and bottom valve.
 According to DIN 3230 BN3 with metal seat.
 Low head losses.
 Also to be used with spiral wound gasket
API 601 for ANSI B16.5 FLANGES

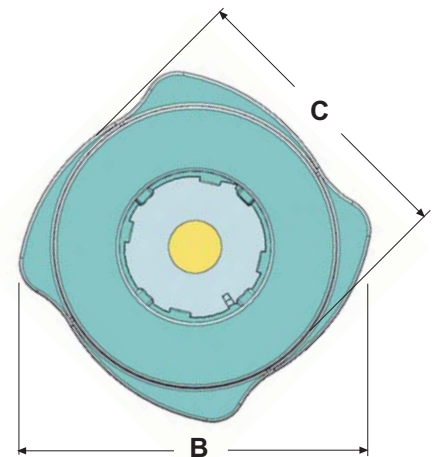


ITEM	PART	MATERIALS
1	BODY	A351 CF8M (AISI 316)
2	DISC	A240 (AISI 316 L)
3	SPRING	AISI 316
4	SPRING TOP RING	A240 (AISI 316 L)

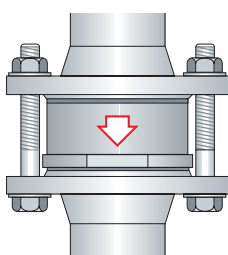


Dimensions - Face to Face DIN EN 558-1 Series 49 (DIN 3202 K4)

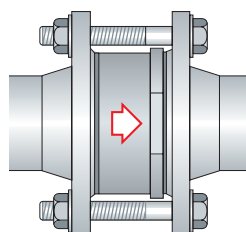
	DN	15	20	25	32	40	50	65	80	100
A	mm	43	48	58	68	75	94	113	129	159
B	mm	54	64	71	81	93	110	130	149	181
C	mm	45	54	63	72	82	95	115	131	160
D	mm	23	28	36	50	58	71	86	105	130
E	mm	14	19	25	31	38	48	62	77	95
L	mm	17	20	22	28	32	40	46	50	60
Weight	Kg	0,11	0,18	0,26	0,4	0,55	0,1	1,5	2	3,2



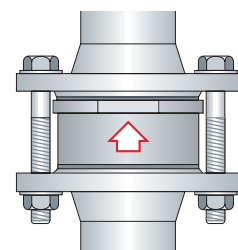
To be installed in any position



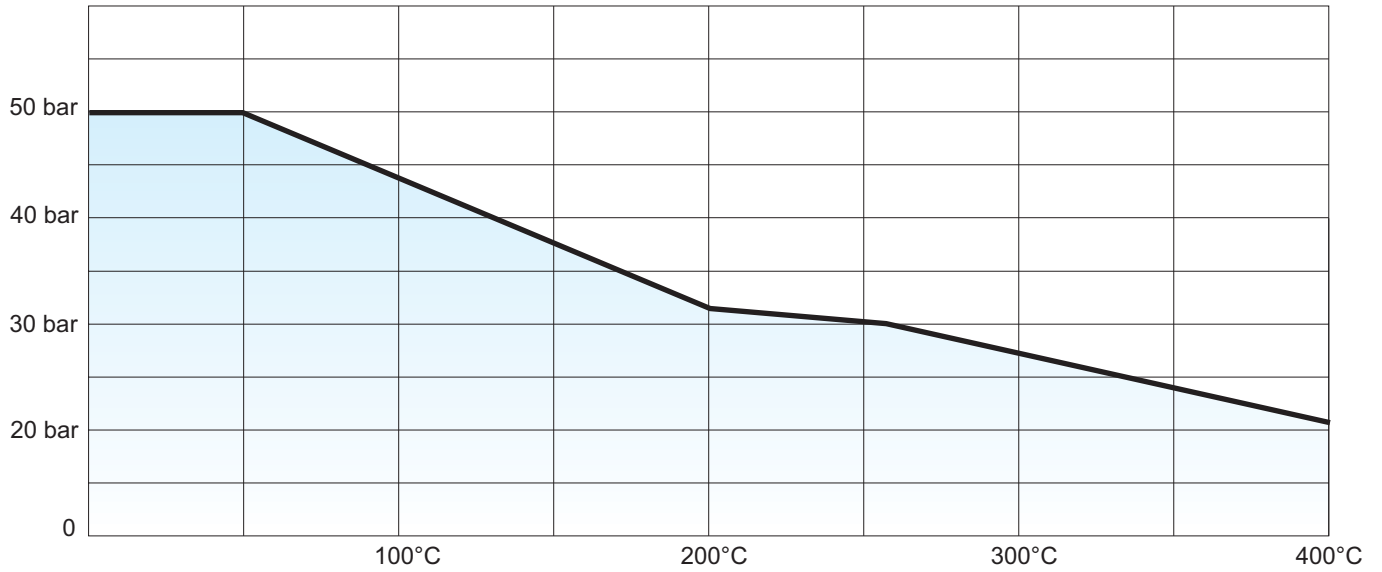
Downwards flow



Horizontal flow



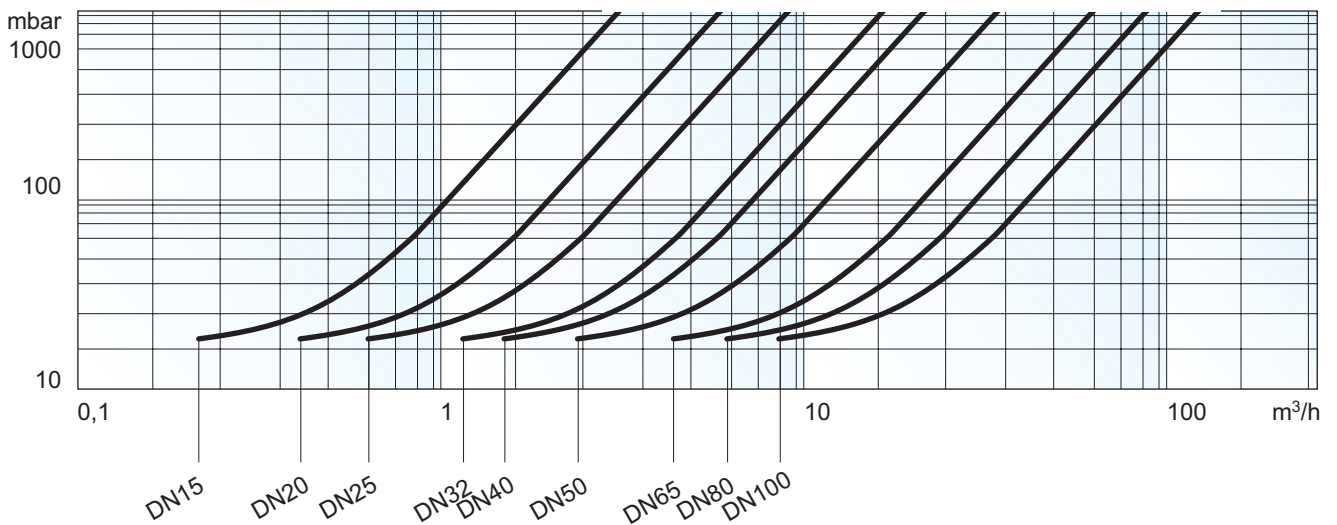
Upwards flow



Minimum opening pressure

FLOW		DN	15	20	25	32	40	50	65	80	100
△	With spring	mbar	25	25	25	27	28	30	30	25	21
▷	With spring	mbar	23	23	23	25	23	24	24	19	15
▽	With spring	mbar	21	21	21	22	18	18	18	13	9
△	Without spring	mbar	2	2	2	3	4	4	5	5	6

Head losses (H₂O - 20°C - horizontal flow)



Formula for calculation of rate of flow equivalent to H₂O

$$Q_e = Q \sqrt{\frac{d}{1000}}$$

For different liquid, gas or steam head losses are determined by equivalent water rate of flow, as follows:
 Q_e - equivalent water flow (mc/h o l/s)
 Q - fluid flow (mc/h o l/s)
 d - fluid specific gravity (Kg/mc)