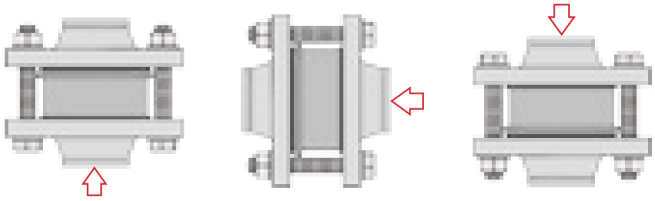
check valve
series CH062

Features and Advantages:

Little dimensions and low weights.
Face to face acc. to **DIN EN 558-2 Series 52 (DIN 3202 K5)**
Opening pressure from 20 to 500 mBar.
No leakage with soft seat; acc. to DIN 3230 BN3 with metallic seat.
Low head losses.
Usable also as vacuum breaker, overpressure and bottom valve.

To be installed in any position:



Upwards flow | Horizontal flow | Downwards flow

Pmax: **160 Bar**

Flange:
DN 15÷100 *PN 63÷160, A600÷900*
This type of valve cannot be used with spirometallic packing.

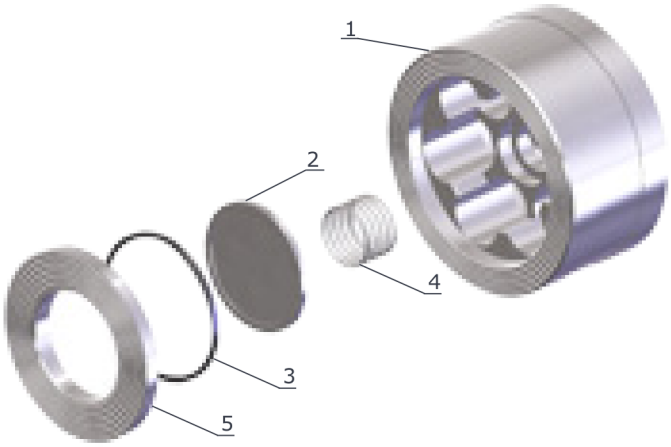
item	q.ty	part	material
1	1	body	• A182 (AISI 316)
2	1	disc -standard	• A240 (AISI 316L)
3	1	O Ring	• *NBR* • *EPDM* • *FKM* • *PTFE*
4	1	spring -standard *on request*	• AISI 316 • Hastelloy C4
5	1	seat	• A182 (AISI 316)

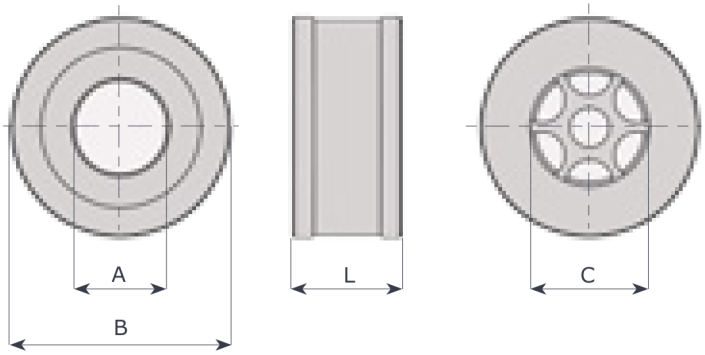
Certifications:

CE 0497 [PED] EAC

minimum opening pressure with standard springs

flow	DN	15	20	25	32	40	50	65	80	100
△	mBar	25	25	25	27	29	29	31	32	33
▷	mBar	23	23	23	24	25	25	26	26	27
▽	mBar	21	21	21	21	21	21	21	21	21
△ without spring	mBar	2	2	2	3	4	4	5	5	6





DN	15	20	25	32	40	50	65	80	100
A	15	20	24	30	38	47	62	77	96
B	46	60	70	80	90	107	130	145	178
C	21	25	30	40	48	60	85	90	110
L	25	31.5	35.5	40	45	56	63	71	80
Kg	0.3	0.6	1	1.3	1.8	2.5	4	5.9	8

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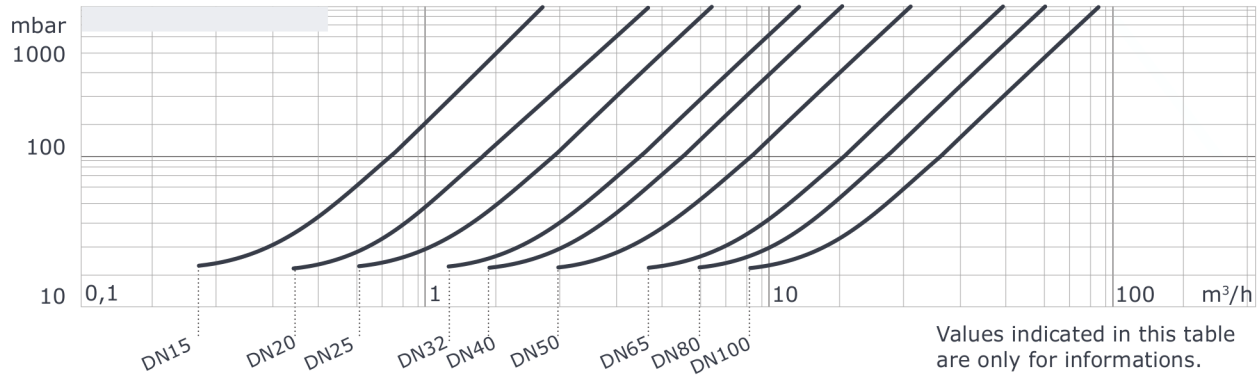
Head losses (H_2O - 20°C - horizontal flow, standard spring)



Values indicated in this table are only for informations.

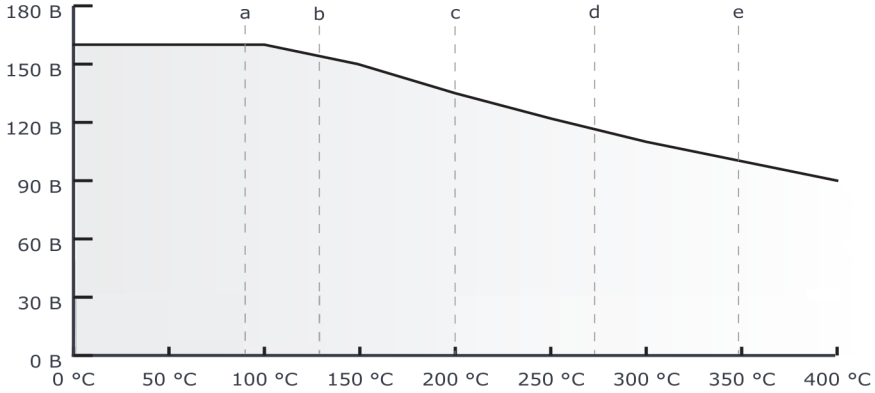
Formula for calculation of equivalent flow rate to H_2O

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

For different liquid, gas or steam head losses are determined by equivalent water flow rate, as follows:

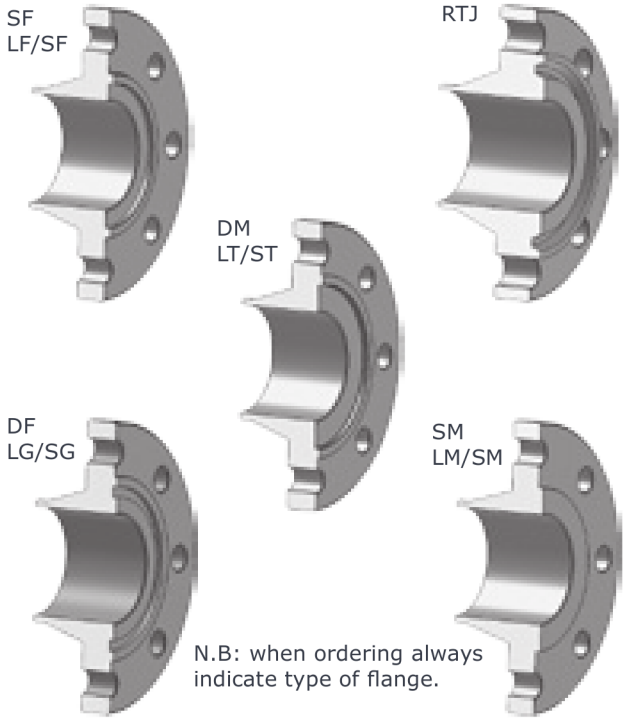
Qe equivalent water flow *(m³/h o l/s)*
Q fluid flow *(m³/h o l/s)*
d fluid specific gravity *(Kg/m³)*

Temperature - pressure diagram



a NBR TMAX = 95°C
b EPDM TMAX = 130°C
c FKM PTFE TMAX = 200°C
d spring AISI 316 TMAX = 270°C
e spring HASTELLOY C4 TMAX = 350°C

valves can be inserted between following flanges:



N.B: when ordering always indicate type of flange.

special spring table

DN	15	20	25	32	40	50	65	80	100
50 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
100 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
200 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
300 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
500 mBar	Y	Y	Y	Y	Y	Y	N	N	N

Y = available / N = not available
Opening values may vary ±10%

Application of valves with ANSI RTJ flanges: