CHECK VALVE
FIG. D6666I-0303

TECHNICAL DETAILS:
- Wafer design
- Body in stainless steel
- Metal seated
- Suitable for flanges PN10/16/25/40
- Temperature range: -20°C ~ 400°C
- Max. working pressure: 40 bar (Max. 14 bar for steam)
- Optional food approval according to CE 1935/2004 (D6666IEUF-0303)

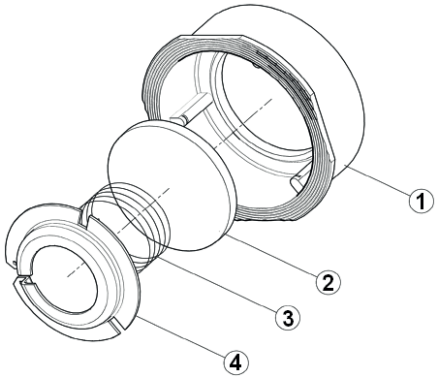


CE

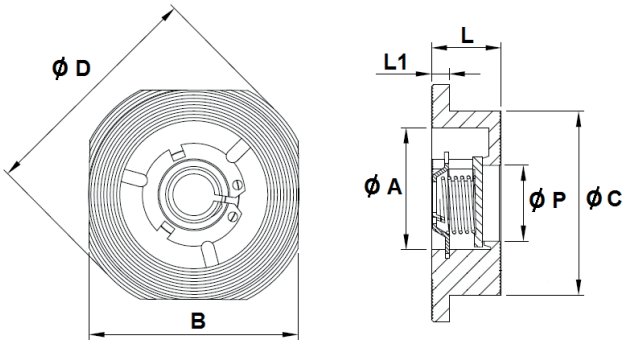
ATEX
(optional)

DESIGN STANDARDS	
Swing check valve	ISO 9001 : 2015, EN 12516-1
TESTS AND CERTIFICATES	
Quality Assurance	CE/PED
ATEX	Group II category 2 G / 2 D zone 1 & 21, zone 2 & 22 (optional)
Face-to-face	EN 558 serie 49 (DIN 3202 K4)
Leakage test	API 598, table 6
Optional certificats	Food approved according to CE 1935/2004

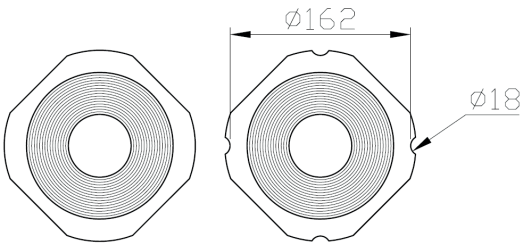
Subject to changes



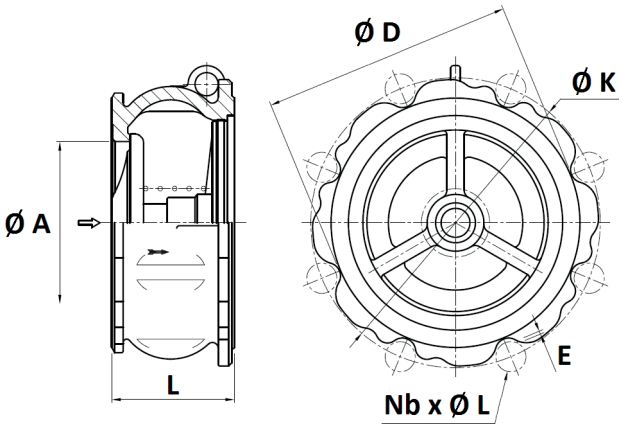
Pos.	Component	Material
1	Body	Stainless steel EN 1.4408
2	Disc	Stainless steel ASTM A240-316
3	Spring	Stainless steel AISI 316
4	Spring retainer	Stainless steel ASTM A240-316



DN 15 – 80



DN100



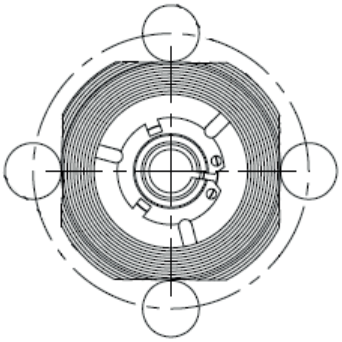
DN125 - DN200

DN	Ø A	B	Ø C	Ø D	L	L1	Ø P	Kg
15	34	44,6	40,5	54	16	3,5	12,5	0,1
20	39	54	47	62	19	3,5	20	0,2
25	46	65	56	73	22	4	25	0,3
32	60	78	70	83	28	5	32	0,5
40	70	88	80	93	31,5	5	38	0,6
50	79	101,6	90	107	40	5	49	0,9
65	101	120,4	113	126,5	46	5,5	64	1,4
80	109	133	123	141,2	49	5,5	78	2
100	134	164	150	171,4	60	6,5	98	3

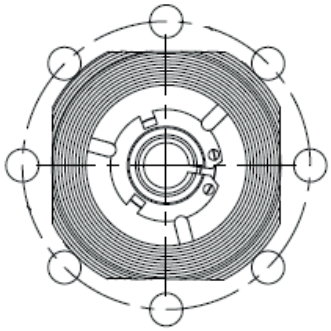
DN	Ø A	Ø D	Ø K	Nb x ØL	L	E	Kg
125	120	186	220	8 x 26	90	3	8,4
150	140	216	250	8 x 26	106	2,7	13,5
200	184	267	320	12 x 30	140	10	24,2

Subject to changes

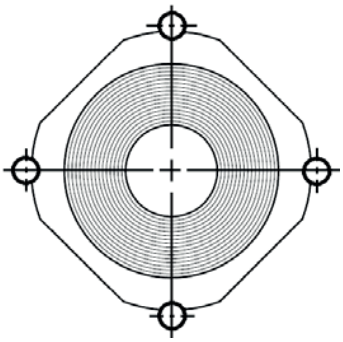
PN10 / PN16
DN 15 ~ DN 50



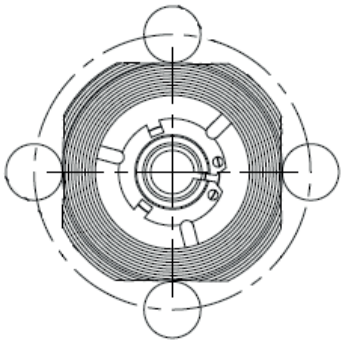
DN 65 ~ DN 80



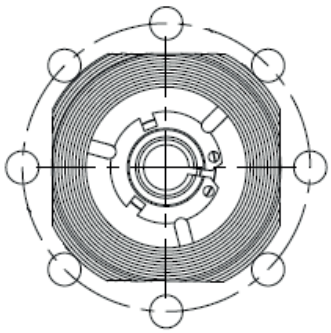
DN 100



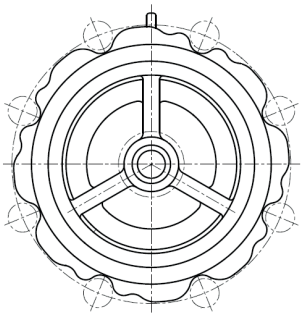
PN25 / PN40
DN 15 ~ DN 50



DN 65 ~ DN 100

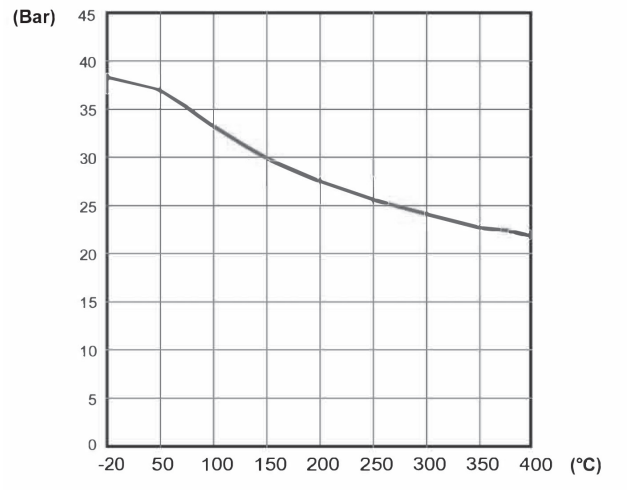


PN40
DN 125 ~ DN 200



Subject to changes

PT Diagram:



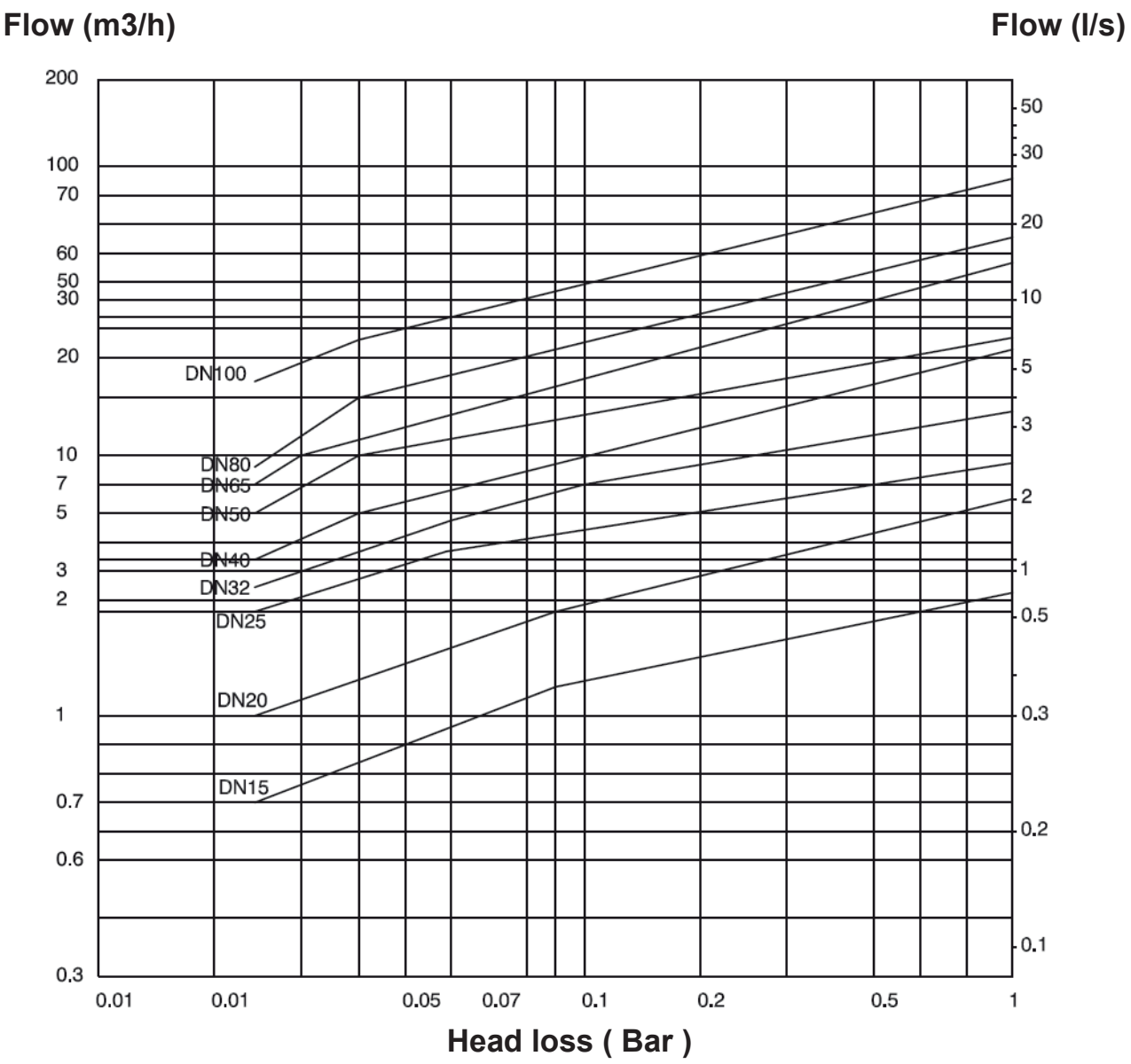
Kv values:

DN	Kv-Werte
15	2,1
20	5,8
25	9,6
32	14,5
40	21,9
50	24,2
65	57,1
80	65,0
100	90,2
125	228,0
150	342,5
200	647,0

Minimum opening pressure (mbar)		
DN	Horizontal	Vertical uphill
15	23	25
20	23	25
25	23	25
32	24	27
40	25	29
50	25	29
65	25	31
80	26	32
100	27	33
125	51	60
150	50	60
200	49	62

Subject to changes

Pressure drop:



Subject to changes