CERTIFICAT 3.1 | CE | TÜV SÜD PED 2014/68/UE | Ex ATEX



1. Standards

- ✓ Manufacturer certified ISO 9001 : 2015
- ✓ DIRECTIVE 2014/68/EU : CE N° 0036 - Risk Category II Module A2
- ✓ Certificate 3.1 on request
- ✓ Pressure tests according to API 598, table 6
- ✓ Length according to EN 558 series 49 (DIN 3202 K4)
- ✓ ATEX Group II Category 2 GD c T2 Zone 1 & 21 Zone 2 &22 (optional marking)
- ✓ Drinking water compatibility

2. Features

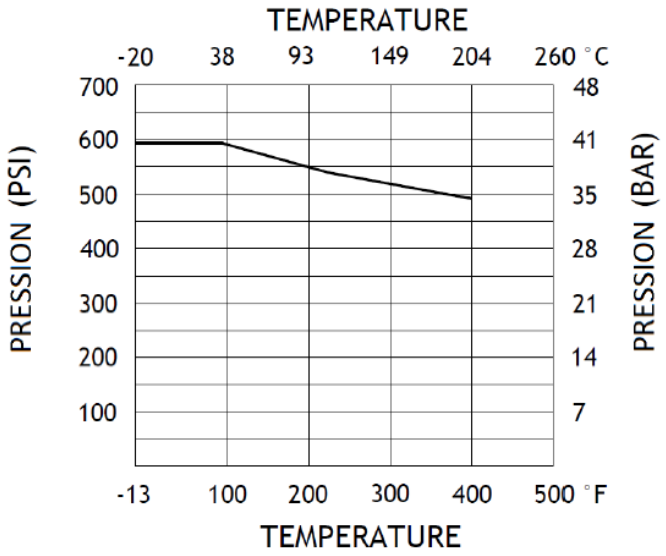
Use :	Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
Size :	DN10/15 to DN100
Connection :	Between flanges PN10/16/25/40, Class 150 and 300
Min Temperature :	-20°C
Max Temperature :	+200°C
Max Pressure :	40 Bars
Specifications :	Spring disc wafer type All positions Metal/metal tightness Compatible with drinking water
Materials :	Stainless steel EN 1.4408

3. Flow coefficient Kvs (m3/h)

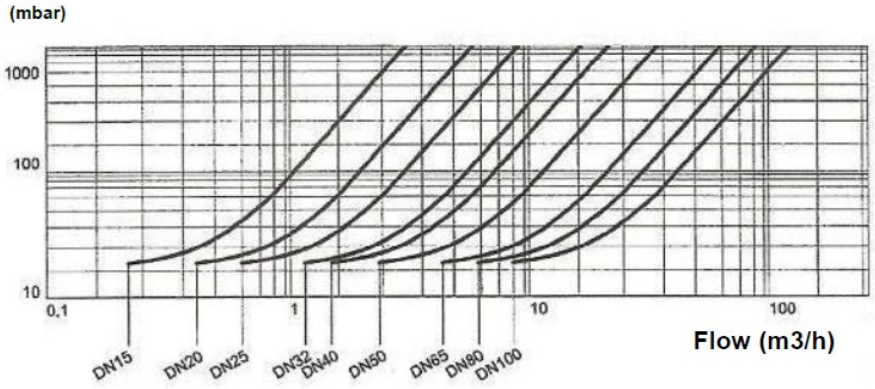
DN	10/15	20	25	32	40	50	65	80	100
Kvs (m3/h)	4.4	6.8	10	17	26	43	75	112	172

Information provided as an indication and subject to possible modification

4. Pressure / temperature graph



5. Head loss graph

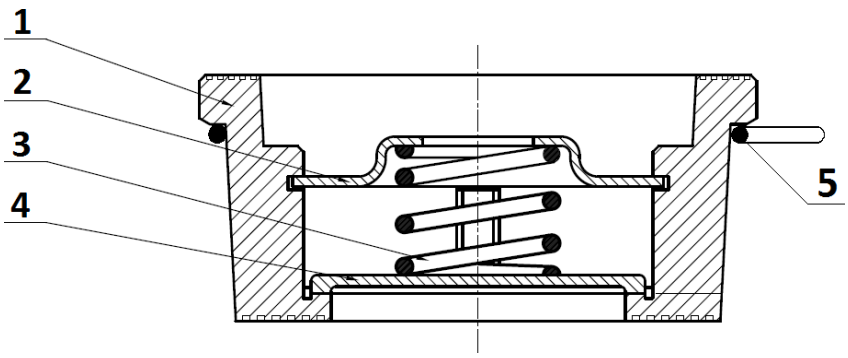


6. Open pressure (in mbar)

DN	Vertical Position Ascending fluid	Horizontal Position
DN 15	32 ↑	26 →
DN 20	33 ↑	26 →
DN 25	31 ↑	27 →
DN 32	27 ↑	24 →
DN 40	29 ↑	25 →
DN 50	29 ↑	25 →
DN 65	25 ↑	23 →
DN 80	21 ↑	23 →
DN100	21 ↑	23 →

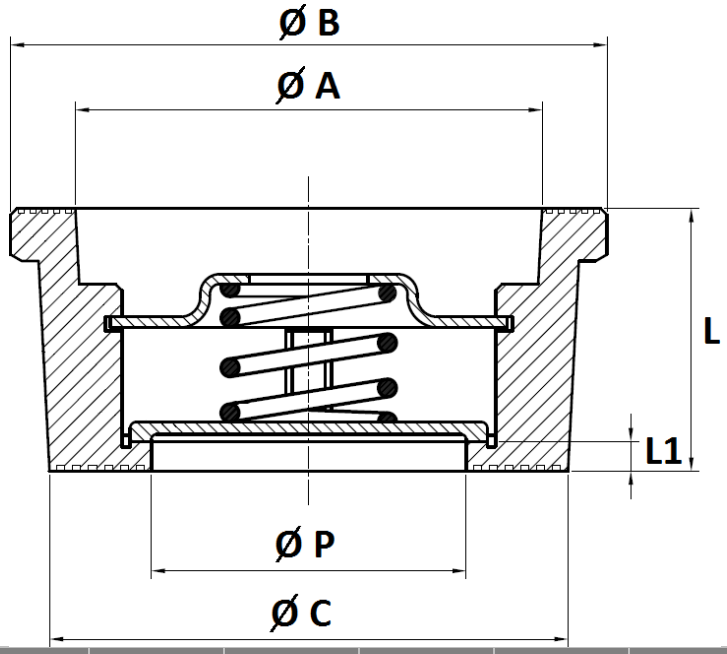
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7. Materials



Item	Designation	Materials
1	Body	SS EN 1.4408
2	Spring holder	AISI 316
3	Spring	
4	Disc	
5	Centering hoop	AISI 304

8. Size (in mm)



DN	10/15	20	25	32	40	50	65	80	100
Ø A	28.5	36.2	43.3	56	68.5	80.5	99	117	135
Ø B	39	46	54	70	83	96	115	135	153
Ø C	32	40	46	60	72	84	103	123	140
Ø P	15	20	25	32	40	49	62	75	85
L	16	19	21	27	31	40	46	50	60
L1	3	3	3	3.5	3.5	4	5	5	6
Weight (Kg)	0.09	0.12	0.16	0.31	0.43	0.78	1.03	1.54	2.25

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