CHECK VALVE
FIG. D6666/B/E/V

GENERAL FEATURES:

- Body in stainless steel 316
- Max. working pressure: 52 bar
- Not suitable for installation with spiral wound gaskets
- Leakage rate:
  - EN 12266-1 Rate A (soft seat)
  - EN 12266-1 Rate E (metal seat)
- Max. temperature:
  - 250°C (metal seated)
  - 95°C (Buna seat)
  - 130°C (EPDM seat)
  - 200°C (Viton seat)



FIGURE:

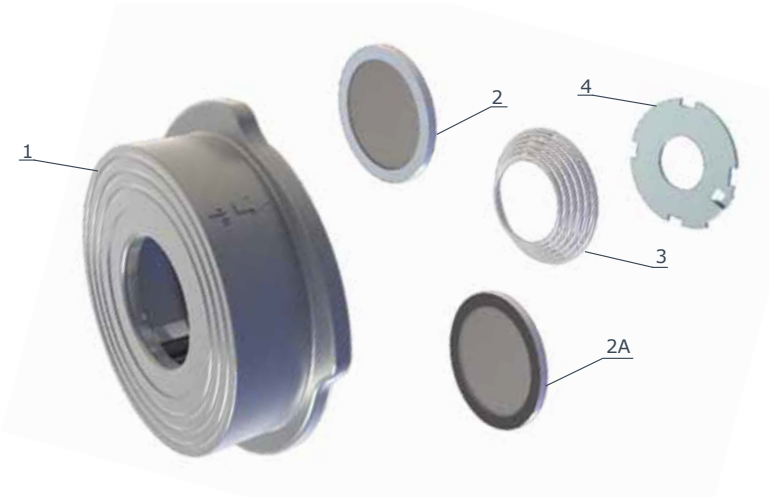
D6666: metal seated
D6666B: Buna seat
D6666E: EPDM seat
D6666V: Viton seat

CONNECTION:

DN15 - DN80: DIN PN6, PN10, PN16, PN25, PN40, ANSI 150 & 300
DN 100: DIN PN10, PN16, PN25, PN40, ANSI 150 & 300

MATERIALS:

Item	Description	Material
1	Body	A 351 - CF8M
2	Disc	AISI 316L
2A	Disc + soft seat	AISI 316L + Buna
		AISI 316L + EPDM
		AISI 316L + Viton
3	Spring	AISI 316
4	Top ring	AISI 316L



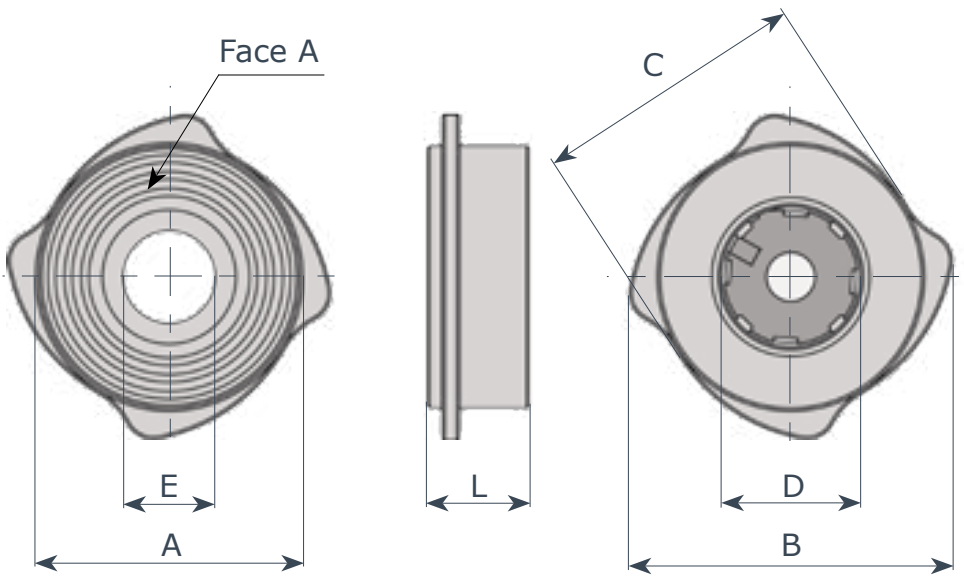
Subject to changes

OPENING PRESSURE: (mbar)

Ø	DN	Direction of the fluid		
		↑	↓	↔
1/2”	15	25	21	23
3/4”	20	25	21	23
1”	25	25	21	23
11/4”	32	27	22	25
11/2”	40	28	18	23
2”	50	30	18	24
21/2”	65	30	18	24
3”	80	25	13	19
4”	100	21	9	15

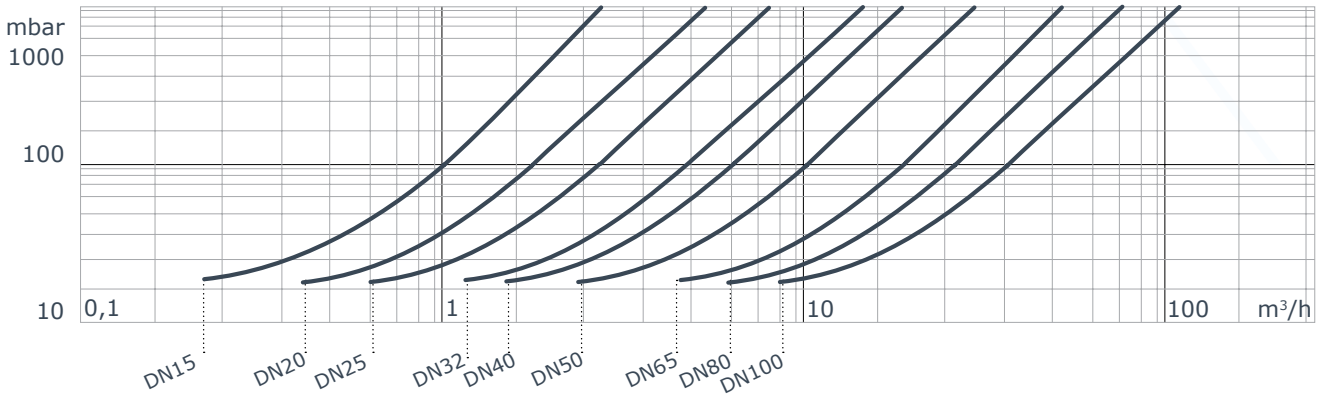
DIMENSIONS: (mm)

Ø	DN	A	B	C	D	E	L	Kg
1/2”	15	43	54	45	23	14	17	0,1
3/4”	20	48	64	54	28	19	20	0,2
1”	25	58	71	63	36	25	22	0,3
11/4”	32	68	81	72	50	31	28	0,4
11/2”	40	75	93	82	58	38	32	0,6
2”	50	94	110	95	71	48	40	1,0
21/2”	65	113	130	115	86	62	46	1,5
3”	80	129	149	131	105	77	50	2,0
4”	100	159	181	160	130	95	60	3,2

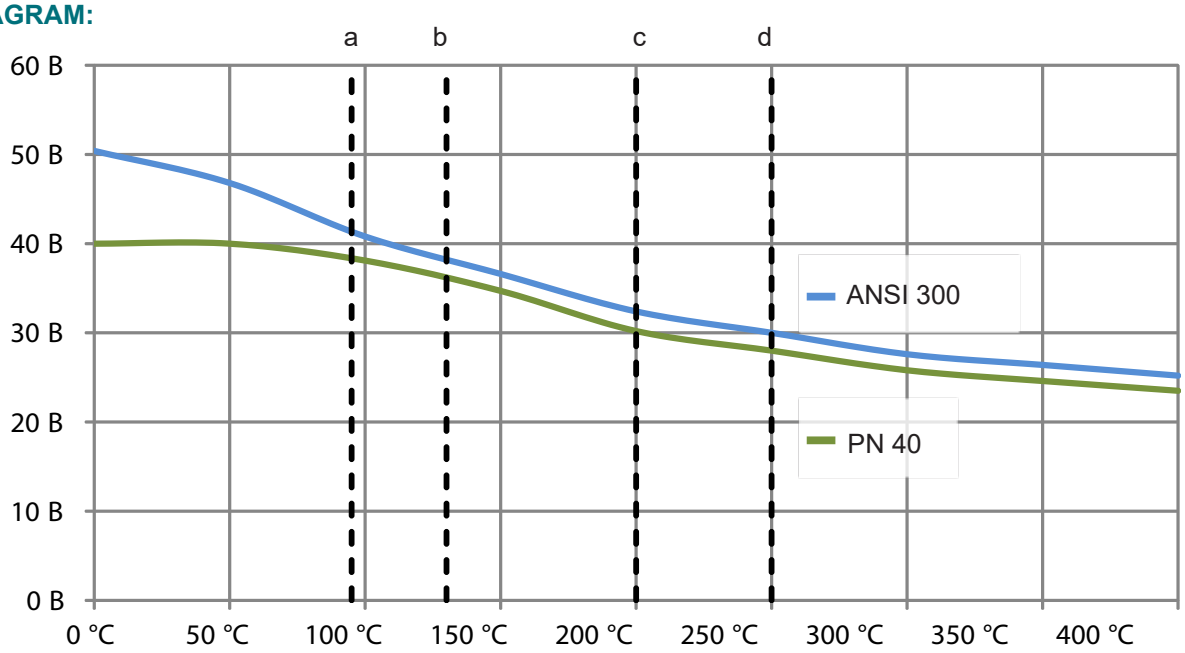


Subject to changes

FLOW CHART:



PT DIAGRAM:



a: Buna
b: EPDM
c: Viton
d: metal seated

CV/KV VALUES:

DN	Cv	Kv
15	5,02	4,34
20	8,72	7,54
25	13,13	11,36
32	21,20	18,34
40	29,09	25,16
50	47,73	41,29
65	71,98	62,26
80	101,84	88,09
100	152,96	132,31

Subject to changes