

NETLIKE FILTER TYP FS-1

FUNCTION

The FS-1 netlike filter is designed for purification of the flowing medium from mechanical impurities and intended to be placed in front of valves. It finds wide applications in heat engineering and other industrial branches.

CONSTRUCTION AND OPERATION PRINCIPLE

The filter (pic.1) consist of the body (1), filter pack (2) and filter cover (3). The upper part of the filter pack is placed in the body and rear part - in cover. The cover is used as the clarifier. The impurities are gathered on the internal side of the pack and fall to the rear part of cover. The body is made from grey cast or spheroidal cast iron, the filter pack is stainless steel net.

TECHNICAL DATA

Flow coefficient Kv acc to DN:

DN	mm	15	20	25	32	40	50	65	80	100	125	150	200
Kv	m³/h	7	11	12.5	20	32	50	82	125	190	320	500	800

Nominal pressure p_{nom} : PN16-grey cast iron
spheroidal cast iron,
PN 25 - spheroidal cast iron,
Mesh number per 1cm²: 600; 400; 300; 230; 100
Ø of mesh [mm]: 0,25; 0,32; 0,36; 0,40; 0,63



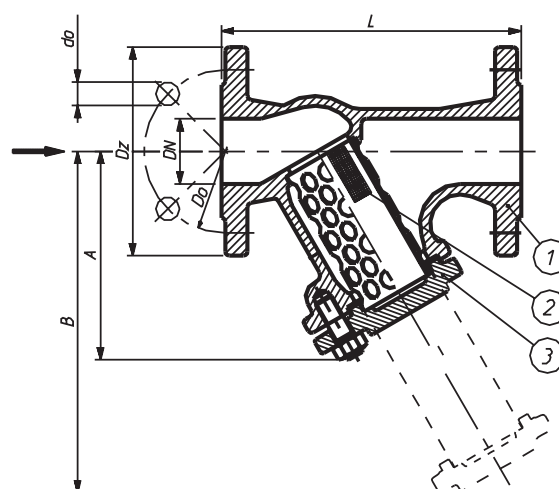
DN	A	B	D _z		D		n x d		L	Weight
			PN16	PN25	PN16	PN25	PN16	PN25		
mm										kg
15	85	130	95		65		4x14		130 ± 1	3
20	113	155	105		75		4x14		150 ± 1	4
25	113	155	115		85		4x14		160 ± 1	5
32	115	183	140		100		4x18		180 ± 1	6
40	134	216	150		110		4x18		200 ± 1.5	7
50	147	246	165		125		4x18		230 ± 1.5	10
65	228	328	185		145		4x18	8x18	290 ± 1.5	17
80	240	400	200		160		8x18		310 ± 1.5	22
100	280	480	220	235	180	190	8x18	8x22	350 ± 1.5	33
125	310	550	250	270	210	220	8x18	8x26	400 ± 1.5	40
150	350	600	285	300	240	250	8x22	8x26	480 ± 1.5	62
200	420	680	340	360	295	310	12x22	12x26	600 ± 1.5	140

OPTIONS AVAILABLE ON REQUEST:

- with drain plug in filter cover,
- with filter pack in stainless steel

NOTE!

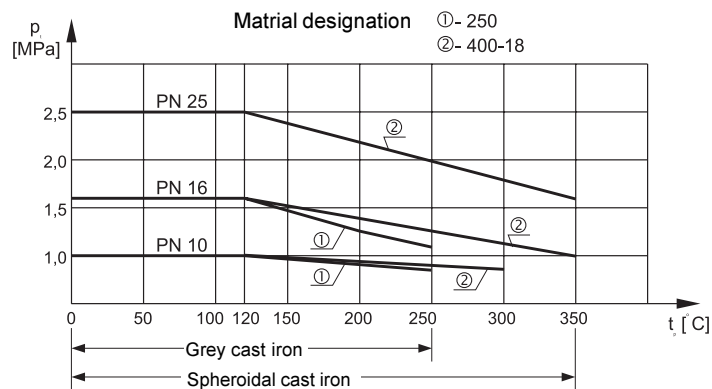
1. Vertical mounting - with fluid coming form above - is admissible
2. Kv does not depend on mesh number, as Ø of mesh is constant.
3. For DN200 it is possible to apply PN10 (8x Ø22)



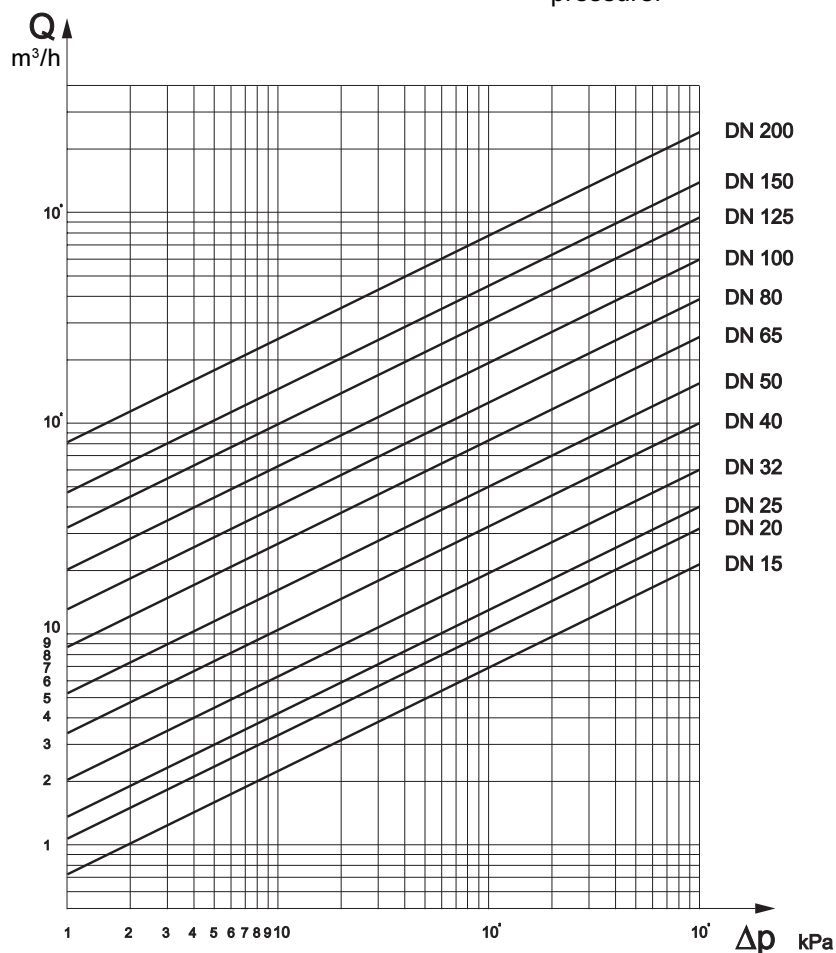
Pic. 1 Construction and dimensions

Materials as per PN/DIN

Body, cover	PN16	250 / GG 25
	PN16; PN25	400-18 / GGG 40.3
Filter net	-	1H18N9T / 1.4541
Filter cover	-	H17 / 1.4016
Body packing	do 250 °C	aramid + graphite
	do 350 °C	reinforced graphite



Pic.2 Nominal pressure, temperature and working pressure.



Pic.3 Flow characteristic.

ORDERING EXAMPLE

The netlike filter type FS-1, nominal size DN32, nominal pressure PN25, mesh number - 100 working temperature.

NETLIKE FILTER FS-1 DN32-PN25-100; temp. 150°C



Producer i distributor:

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