

PF-Filtercartridge

PF-Filtercartridges are made completely out of polypropylene. A multilayer Design and the folding guarantees a low starting differential pressure with a high particel absorbtion.

PF-Filtercartridges are aviable in several lengths, micron ratings and adapter configurations and therefore are usable for many different applications.

Main Features:

- Micron Rating form 0.2 μm to 40 μm
- Broad application Range
- Approved for food contact
- USP Class VI - Meets USP Class VI Biological Test for Plastics
- "Absolute" Efficiency- Rated at 99.98% (Beta 5000)
- Polypropylene Construction- Inert to many process fluids

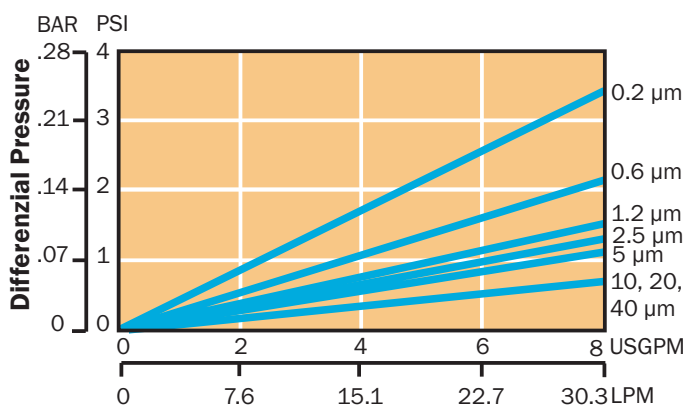
PF-Filtercartridges are used in Pre- and Endpointfiltration for follwing fluids:

- Chemical filtration
- Pharmazeutical filtration
- Water treatment
- Beverage
- Biotechnics
- Photographic
- Emulsion
- Solvent
- Serum
- Perfume
- Oil
- Air and gas

Diagram

Flow rate of a 10" filter cartridge depend on the differential pressure

Typical Flow Rate Clean Water at Ambient Temperature (per 10" cartridge)



Allgemeine technische Daten

Media:	Polypropylene
Support core, end caps:	Polypropylene
Gaskets/ O-Rings:	Buna, EPDM, Silikon, Viton, Viton (Teflon-endcap.)
Micro rating:	0,2 / 0,6 / 1,2 / 2,5 / 5 / 10 / 20 / 40 μm
Length:	9 3/4", 10", 20", 30", 40"
Inner core diamter:	27,9 mm
Outer Diameter:	68,6 mm
Working Pressure:	Max. 80 °C (at 2,8 Bar differential pressure)
Differential Pressure:	Max. 5,2 Bar @ 21 °C Max. 2,8 Bar @ 80 °C
Recommended change-out pressure:	2,4 bar differential
Steam/Autoclave:	Cartridges may be autoclaved for 30 minutes at 250 °F(121°C) under no end load conditions. Cartridges fitted with steam insert may be steamed for at least 10 thirty minute cycles @ 275°F (135°C) not to exceed 3 psid (0.21 bar).

Micron rating in relation to Removal Efficiency

Specified Micron rating	Removal Efficiency 99,98% β= 5000	Removal Efficiency 99% β= 100	Removal Efficiency 98% β= 50
0,2 μm	0,2 μm	0,10 μm	0,05 μm
0,6 μm	0,6 μm	0,30 μm	0,20 μm
1,2 μm	1,2 μm	0,60 μm	0,30 μm
2,5 μm	2,5 μm	2,0 μm	1,5 μm
5,0 μm	5,0 μm	4,0 μm	3,0 μm
10,0 μm	10,0 μm	8,0 μm	7,0 μm
20,0 μm	20,0 μm	19,0 μm	15,0 μm
40,0 μm	40,0 μm	35,0 μm	28,0 μm

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Adapter	
1	DOE
2	226/ Flat
3	222/ Flat
6	Ametek-Adapter (O-Ring inboard)
7	226/ Fin
8	222/ Fin

Length	
93	9 3/4"
10	10"
20	20"
30	30"
40	40"

Rating	
002	0,2 μm
006	0,6 μm
012	1,2 μm
025	2,5 μm
050	5,0 μm
100	10,0 μm
200	20,0 μm
400	40,0 μm

Gasket	
0	Buna
1	EPDM
2	Silicon
4	Viton
5	Teflon endcap.Viton

Options	
I	End Cap Insert
R	Factory Pre-Rinse

Order example: 22-10110-100-0