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PF filter elements are made entirely of polypropylene. The multi-layer design and pleating guarantees high particle retention while maintaining a low initial differential pressure.

The filter elements are available in various lengths, micron ratings and adapter configurations and can therefore be used in a wide range of applications.

Main features

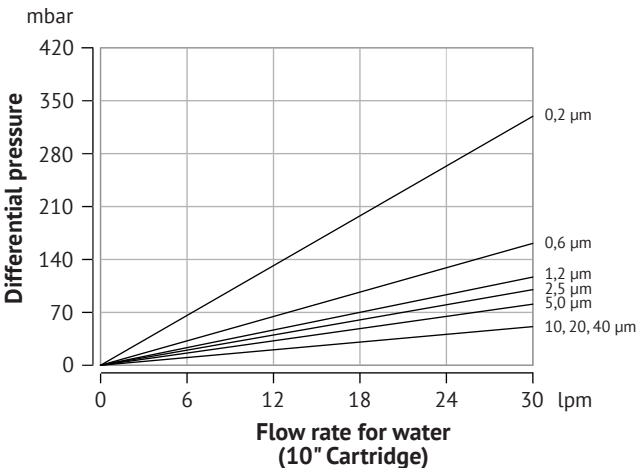
- Micron rating from 0,2 to 40 µm
- Compliant with FDA Title 21 and EU 1935/2004 regulations
- Biological safety according to USP Class VI
- Separation efficiency from 99,98 % ($\beta=5000$)

Applications

- Chemicals
- Pharmaceutical products
- Water treatment
- Food and beverage industry
- Film emulsions
- Air and gas
- Oil
- solvents
- suspensions

Technical data

Material:	Polypropylene
Micron rating:	0,2 /0,6 /1,2 /2,5 /5 /10 /20 /40 µm
Gasket:	Buna, EPDM, Silicone, Viton, Viton (teflon coated), Teflon
Element length:	5" - 40"
Diameter:	68,6 mm outside 27,9 mm inside
Max. working temperature:	80°C at 2,8 bar differential pressure
Max. Differential pressure:	5,2 Bar at 21 °C 2,8 Bar at 80 °C
Filter replacement:	Latest at 2,4 bar differential pressure
Sterilization: (Only with option "I" steam insert, see order information)	Autoclave, at 121 °C for 30 minutes At least 10 times for 30 minutes at max. 135 °C and max. 0,21 bar differential pressure



Separation efficiency depending on micron rating

Micron rating	99,98%	99%	98%
	$\beta = 5000$	$\beta = 100$	$\beta = 50$
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

Order information

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Adapter		Length		Micron rating		Gasket		options	
1	DOE	05	5"	002	0,2 µm	0	NBR	I	Steam insert
2	226/Flat	93	9 3/4"	006	0,6 µm	1	EPDM	R	Pre-rinsed
3	222/Flat	10	10"	012	1,2 µm	2	Silicone		
6	Ametek	20	20"	025	2,5 µm	4	Viton		
7	226/Fin	30	30"	050	5,0 µm	5	Viton, FEP encapsulated **		
8	222/Fin	40	40"	100	10,0 µm				
				200	20,0 µm				
				400	40,0 µm				

* only for DOE
** PTFE Flat gasket for DOE

Order example: 22-10720-006-0