

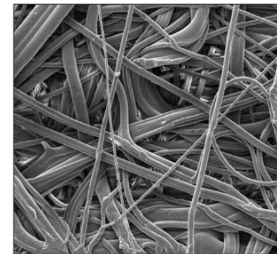


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Die PM filter elements are economical filter cartridges with a separation efficiency of 99,98%, made entirely of polypropylene. The slightly smaller diameter also makes them well suited to replace depth filters in already installed housings. The filter element is approved for food contact according to the FDA regulations

Main features:

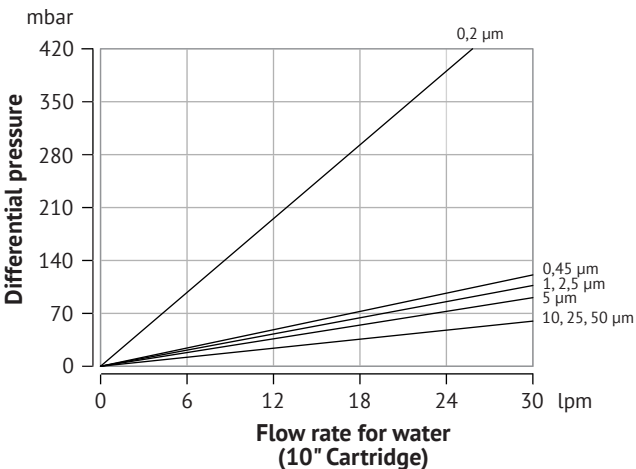
- Micron rating from 0,2 to 50 µm
- FDA conform (174.5, and 177.1520)
- Separation efficiency of 99,98 % ($\beta=5000$)
- Optimized surface - high dirt holding capacity, long service life
- Solid pore structure - eliminates dirt release at maximum differential pressure
- Various seal material - suitable for many liquids



Microscopic image of the filter structure

Technical data

Material:	Polypropylene
Micron rating:	0,2 /0,45 /1 /2,5 /5 /10 /20 /50 µm
Gasket:	Buna, EPDM, Silicone, Viton, Viton (teflon coated), Teflon
Element length:	5" - 40"
Diameter:	64,8 mm outside 25,4 mm inside
Max. working temperature:	80°C
Max. Differential pressure:	3,4 Bar at 21 °C 1,7 Bar at 80 °C
Filter replacement:	Latest at 2,4 bar differential pressure



Separation efficiency depending on micron rating

Micron rating	99,98%	90%
	$\beta = 5000$	$\beta = 10$
0,2 µm	0,2 µm	0,08 µm
0,45 µm	0,45 µm	0,25 µm
1 µm	1 µm	0,5 µm
2,5 µm	2,5 µm	1 µm
5 µm	5 µm	1,8 µm
10 µm	10 µm	6 µm
25 µm	25 µm	11 µm
50 µm	45 µm	25 µm

Order information

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Adapter		Length		Micron rating		Gasket	
1	DOE	05	5"	002	0,2 µm	0	NBR
2	226/Flat	93	9 3/4"	004	0,45 µm	1	EPDM
3	222/Flat	10	10"	010	1,0 µm	2	Silicone
7	226/Fin	20	20"	025	2,5 µm	4	Viton
8	222/Fin	30	30"	050	5,0 µm	5	Viton FEP encapsulated **
		40	40"	100	10,0 µm		
				250	25,0 µm		
				500	50,0 µm		

* only for DOE
** PTFE Flat gasket for DOE

Order example: PM-10320-010-1