PF

Technical changes reserved | Rev.: 021.26.01

-> TO THE PRODUCT

PF filter elements are manufactured entirely from polypropylene. The multilayer structure and pleated filter media ensure high particle retention while maintaining a low initial differential pressure.
The filter elements are available in various lengths, filtration ratings, and adapter configurations, making them suitable for a wide range of applications.

Main features

- Micron ratings from 0.2 to 40 µm
- Compliant with FDA Title 21 and EU Regulation 1935/2004
- Biological safety in accordance with USP Class VI
- Removal efficiency of 99.98% (β = 5000)

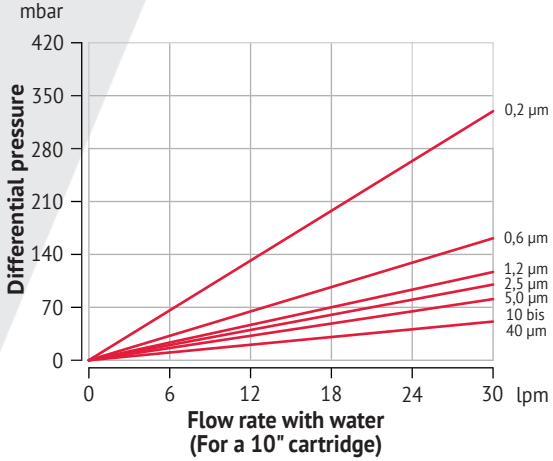
Areas of application

- Chemicals
- Pharmaceutical products
- Water treatment
- Food and beverage industry
- Film emulsions
- Air and gas
- Oil
- Solvents
- Suspensions

TECHNCAL DATA

Filter medium:	Polypropylene
Core, End caps, Cage:	Polypropylene
Gaskets:	NBR, EPDM, Silicone, FKM, FEP encapsulated FKM
Micron rating:	0,2 /0,6 /1,2 /2,5 /5 /10 /20 /40 µm
Diameter:	68,6 mm outside 27,9 mm inside
Max. Working temperature:	80°C
Differential pressure:	max. 5,2 bar at 21 °C (vorwärts) max. 2,0 bar at 80 °C (vorwärts) max. 2,8 bar at 21°C (rückwärts)
Filter change:	latest at 2,4 bar differential pressure
Sterilization*:	Autoklave, at 121 °C for 30 Minuten At least 10 times for 30 Minuten at max. 135 °C and max. 0,21 bar differential pressure

*Only for option „I" steam insert (see order information)



RETENTION RATE

Micron rating	99,98% ß = 5000	99% ß = 100	98% ß = 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

Oder information

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Adapter	
1	DOE
2	226/Flach
3	222/Flach
6	Ametek
7	226/Fin
8	222/Fin

Length	
05	5"
93	9 3/4"*
10	10"
20	20"
30	30"
40	40"

* only DOE-Adapter

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

Gasket	
0	NBR
1	EPDM
2	Silicone
4	FKM
5	FEP encapsulated FKM**

** PTFE flat gasket for DOE

Options	
I	Steam insert
R	Pre rinsed

Order example: 22-10720-006-0

MTS & APIC Filter GmbH & Co. KG • Egartenring 28/30 • 75378 Bad Liebenzell • Telefon: +49 7052 - 408 94 - 0 • E-Mail: info@mts-apic-filter.de