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PG 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 application for cost efficiency filtration.

Main features

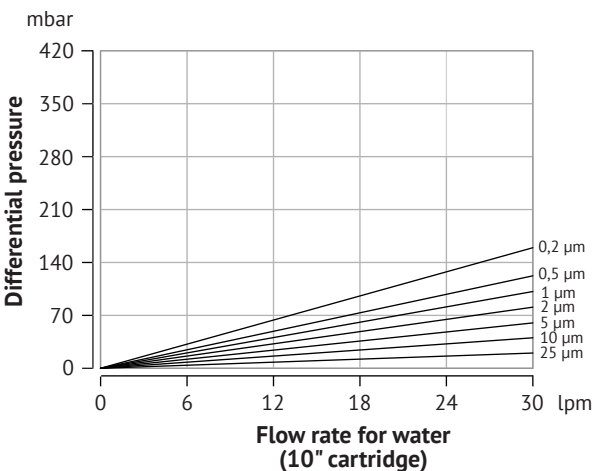
- Micron rating from 0,2 bis 30 µm
- Compliant with FDA Title 21 and EU 1935/2004 regulations
- Biological safety according to USP Class VI
- Entirely made of polypropylene which results in a wide chemical resistance

Applications

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

Technical data

Filtermedia:	Polypropylene
Inner core, end caps, cage:	Polypropylene
Gasket:	Buna, EPDM, Silicone, Viton, Viton (teflon coated), Teflon
Micron rating:	0,2 /0,25/ 0,45 /0,5 /1,0 /2,0 /5 /10 /25 /50 µm
Diameter:	68,6 mm outside 27,9 mm inside
Max. working temperature:	80°C
Differential pressure:	max. 5,2 bar at 21 °C (forward) max. 2,0 bar at 80 °C (forward) max. 2,8 bar at 21°C (reverse)
Filter replacement:	Latest at 2,4 bar differential pressure



Separation efficiency depending on micron rating

Micron rating	98%	90%
	$\beta = 10$	$\beta = 50$
0,2 µm	0,28 µm	0,20 µm
0,5 µm	0,7 µm	0,5 µm
1 µm	1,5 µm	1 µm
2 µm	2,7 µm	2,0 µm
5 µm	7 µm	5 µm
10 µm	12 µm	10 µm
25 µm	32 µm	25 µm
50 µm	70 µm	50 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"	005	0,5 µm	1	EPDM
3	222/Flat	10	10"	010	1 µm	2	Silicone
6	Ametek	20	20"	020	2 µm	4	Viton
7	226/Fin	30	30"	050	5 µm	5	Viton, FEP encapsulated **
8	222/Fin	40	40"	100	10 µm		
				250	25 µm		
				500	50 µm		

Order example: PG-10320-005-1

* only for DOE
** PTFE-Flat gasket for DOE