

PG-Filtercartridge

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

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

Main Features:

- Micron Rating from 0.2 μm to 40 μm
 - Broad application Range
- Approved for food contact
- USP Class VI - Meets USP Calss VI Biological Test for Plastics
- Polypropylene Construction - Inert to many process fluids

PG-Filtercartridges are used as cost-effective Prefilters for following process liquids and gases:

- Chemical filtration
- Pharmazeutical filtration
- Water treatment
- Food
- Beverage
- Film emulsion
- Air and gas
- Oil
- Solvent
- Suspensions

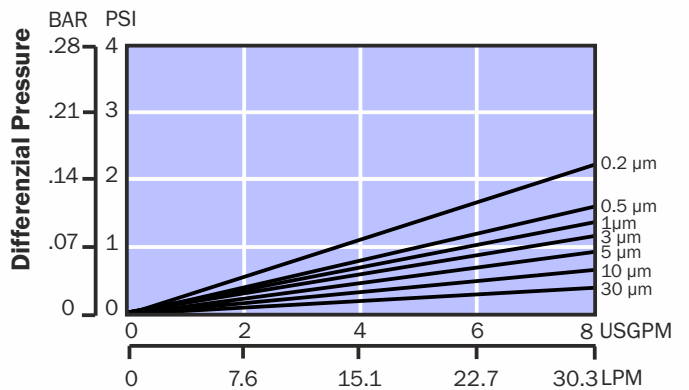
Technical Data

Media:	Polypropylene
Support Core, End Caps:	Polypropylene
Gaskets/ O-Rings:	Buna, EPDM, Silicon, Viton, Viton (Teflon-endcap.), Teflon
Micron Rating:	0.2 μm , 0.5 μm , 1.0 μm , 3.0 μm , 5.0 μm , 10 μm , 30 μm
Inner Core Diameter:	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

Diagram

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

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



Removal Efficiency		
Beta Ratio Efficiency	Beta 50 98%	Beta 10 90%
0.2 µm	0.28 µm	0.20 µm
0.5 µm	0.7 µm	0.5 µm
1 µm	1.5 µm	1.0 µm
5 µm	7.0 µm	5.0 µm
10 µm	12.0 µm	10.0 µm

Order Information:

PG-10



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

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

Rating	
002	0.2 µm
005	0.5 µm
010	1.0 µm
030	3.0 µm
050	5.0 µm
100	10.0 µm
300	30.0 µm

Gasket	
0	Buna
1	EPDM
2	Silicon
4	Viton
5	Viton, Teflon-Endcap.
5	Teflon*

*Flat Gasket for DOE Adapter

Order Example:

PG-10330-010-2