

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.)
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

## 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.

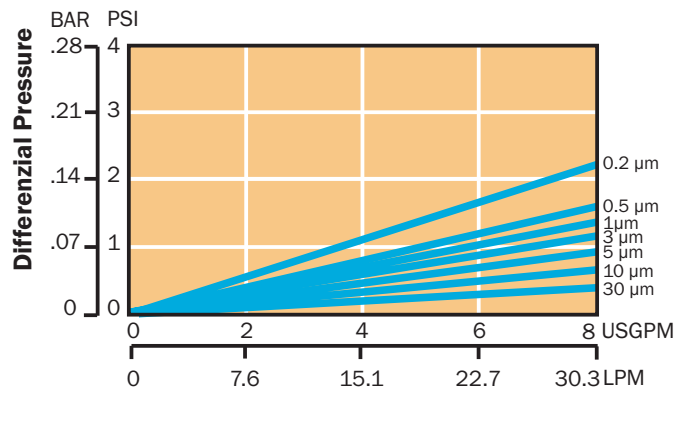
#### Main Features:

- 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

#### 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
0.25 µm	0.35 µm	0.25 µm
0.45 µm	0.6 µm	0.45 µm
0.5 µm	0.7 µm	0.5 µm
1 µm	1.5 µm	1.0 µm
2 µm	2.7 µm	2.0 µm
5 µm	7.0 µm	5.0 µm
10 µm	12.0 µm	10.0 µm
25 µm	32.0 µm	25.0 µm
50 µm	70.0 µm	50.0 µm

**PG-10**



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

Length	
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.

**Order Example: PG-10330-010-2**