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The GR-W filter series is constructed of hydrophilic, asymmetric polyethersulfone membrane and polypropylene components. The filter is designed for overall filtration economy and provides excellent flow rates and throughputs.

The hydrophilic Polyethersulfone (PES) Membrane provide highly consistent performance for bioburden reduction and particle removal across a wide range of beverage, pharmaceutical and biological fluids. Exceptional flow rates, long on-stream life and a broad chemical compatibility results in a wide range of applications.



Typical applications

- Water treatment
- Pre-filter for DI Water
- Post-filter for DI Water
- Aqueous based chemical processing

Main features

- Conforms to EU regulations 1935/2004 and 10/2011 on plastics intended for food contact.
- All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, 177.1520, and 177.2440 as applicable for food and beverage contact.
- Meets USP Class VI Biological Test for Plastics.
- Cost-efficient absolute filtration
- Thermally bonded, which means no adhesive residue at all

Chemical cleaning/Sterilization

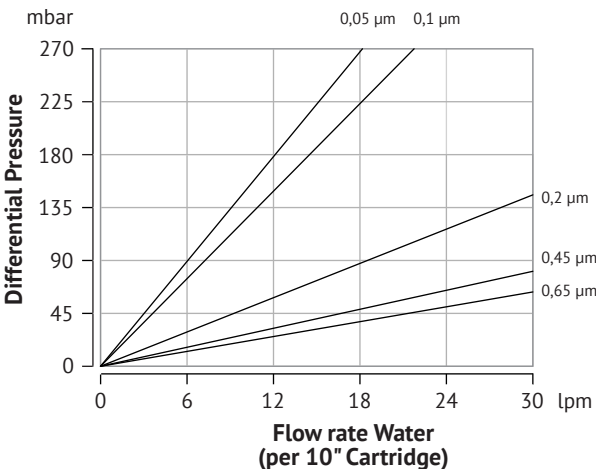
- Compatible with most common chemical cleaning, sanitizing and sterilizing agents and with pH range from 1-14. Consult factory for specific informations

Steam sterilization/Autoclav

- Cartridges may be steamed or autoclaved for 30 minutes at 121°C under no end load conditions.
- Cartridges fitted with steam insert may be steamed for at least 10 thirty-minute cycles at 135°C not to exceed 0,21 bar.

Technical data

Filtermedia:	Asymmetric Polyethersulfone Membrane
Inner core, end caps, cage:	Polypropylene
Support layers:	Spunbonded Polypropylene
Gaskets/O-Rings:	Buna-N, EPDM, Silicone, Viton, Viton (Teflon coated)
Micron rating:	0,05 µm, 0,1 µm, 0,2 µm, 0,45 µm and 0,65 µm
Diameter:	69 mm outside 25,4 mm inside
Filter surface:	0,56 m ² (per 10" - Cartridge)
Max. Working temperature:	80°C (at 1,38 bar differential pressure)
Differential pressure:	max. 5,2 bar at 21°C (forward) max. 2,0 bar at 71°C (forward) max. 2,8 bar at 21°C (reverse)
Filter replacement:	latest at 2,4 bar differential pressure



Order information

GR25-W- [] - [] - [] - [] - []

Adapter		Length		Micron rating		Gasket / O-Ring		Optionen	
1	DOE	05	5"	0005	0,05 µm	0	Buna-N	I	Steam insert
2	226/Flat	93	9 3/4" *	001	0,1 µm	1	EPDM	R	Pre rinsed
3	222/Flat	10	10"	002	0,2 µm	2	Silicone		
6	Ametek	20	20"	004	0,45 µm	4	Viton		
7	226/Fin	30	30"	006	0,65 µm	5	Viton Teflon coated**		
8	222/Fin	40	40"						

* only for DOE [1]

**only O-Rings

Order example: GR25-W-720-002-2