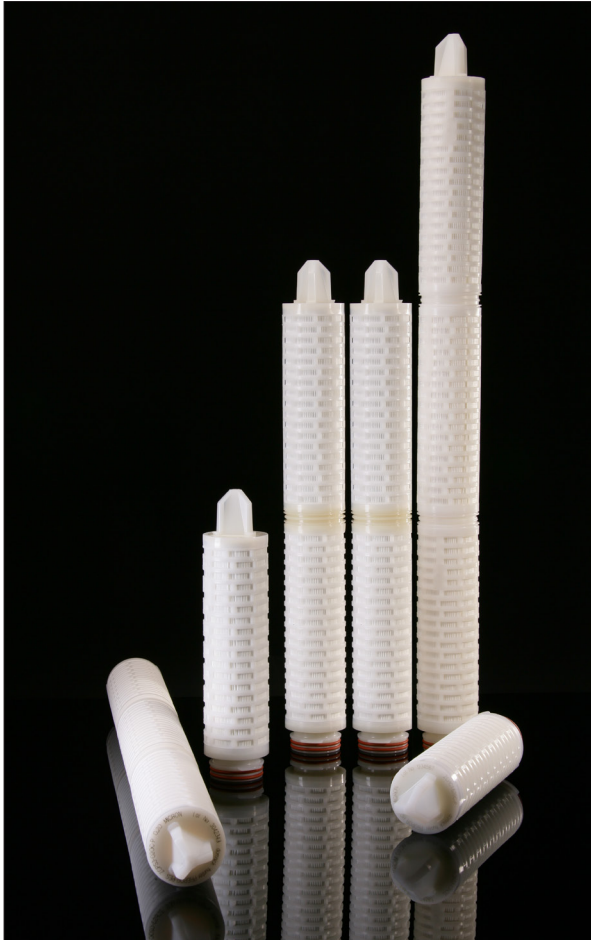


BEVPOR WG

Filter Cartridges



Minimizing the cost of microbiological control while maintaining quality and product protection is a key requirement for utility water treatment within beverage production.

BEVPOR WG is an advanced membrane filter cartridge designed for the beverage industry to meet and surpass these criteria. Specifically developed as a beverage grade cartridge, BEVPOR WG utilizes an advanced polyethersulphone membrane configured to provide high flow and cost-effective performance. The membrane has an asymmetric pore structure which provides graded filtration throughout its depth, resulting in increased capacity to hold contaminants. Componentry has been selected to maximize mechanical strength and chemical compatibility enabling the filter to withstand repeated chemical cleaning and sterilization.

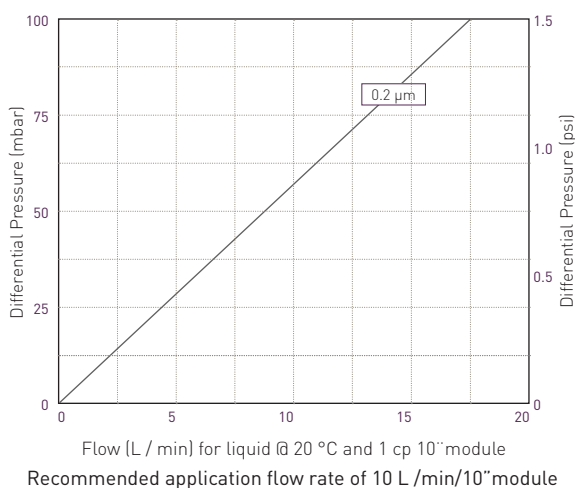
Features

- Sterilizing grade PES membrane
- Highly asymmetrical pore structure
- Robust materials of construction can be repeatedly steam sterilized and hot water sanitized

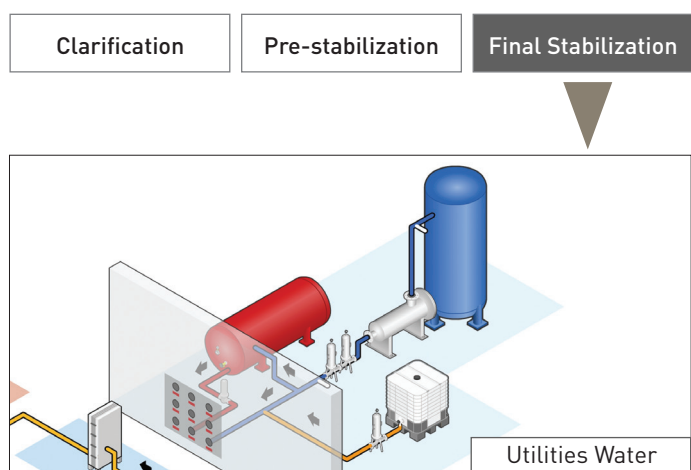
Benefits

- Ensures safety of process water
- High flow and cost-effective performance
- Extended service life

Performance Characteristics



Filtration Stage





Specifications

Materials of Construction

- Filtration Membrane: Polyethersulphone
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Inner Support Core: Polypropylene
- Outer Protection Cage: Polypropylene
- End Caps: Polypropylene
- End Cap Insert (if applicable): 316L Stainless Steel*
**Not available in B & L endcap variants*
- Standard o-rings/gaskets: Silicone / EPDM

Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.



Recommended Operating Conditions

Up to 70 °C (158 °F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature		Max Forward dP	
°C	°F	(bar)	(psi)
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

Effective Filtration Area (EFA)

10" (250 mm) Up to 0.5 m² (5.38 ft²)

Cleaning and Sterilization

BEVPOR WG cartridges can be repeatedly steam sterilized in situ or autoclaved at up to 130 °C (266 °F). They can be sanitized with hot water at up to 90 °C (194 °F) and are compatible with a wide range of chemicals.

For detailed operational procedures and advice on cleaning and sterilization, please contact the Technical Support Group through your usual Parker domnick hunter contact.

Recommended Rinse Volume

Prior to use - 10 litres per 10" (250 mm) filter cartridge.

Manufacturing Traceability

Each filter element displays the product description, product code and lot number. Additionally each filter module displays a unique serial number providing full manufacturing traceability.

Ordering Information

BWG	-	02	-	A	
Code Length (Nominal)		Code Micron		Code Endcap (10 inch)	Code O-rings
1 10" (250 mm)		02 0.2 µm		C BF / 226 Bayonet	E EPDM
2 20" (500 mm)				D Fin / 222	S Silicone
3 30" (750 mm)				E Flat Top / 222	
4 40" (1000 mm)				H UF Retrofit	
				R BF / 222 Bayonet	

VSH & HSV range of Sanitary Beverage Housings



- Multi and single elements
- Designed specifically for the food & beverage industry
- 0.4µM Ra internal, 0.25µM Ra external
- High quality crevice free construction
- Available for up to 30 round filters
- Sanitary vent, tri-clamp connections as standard
- Sanitary tri-clamp body closure as standard