

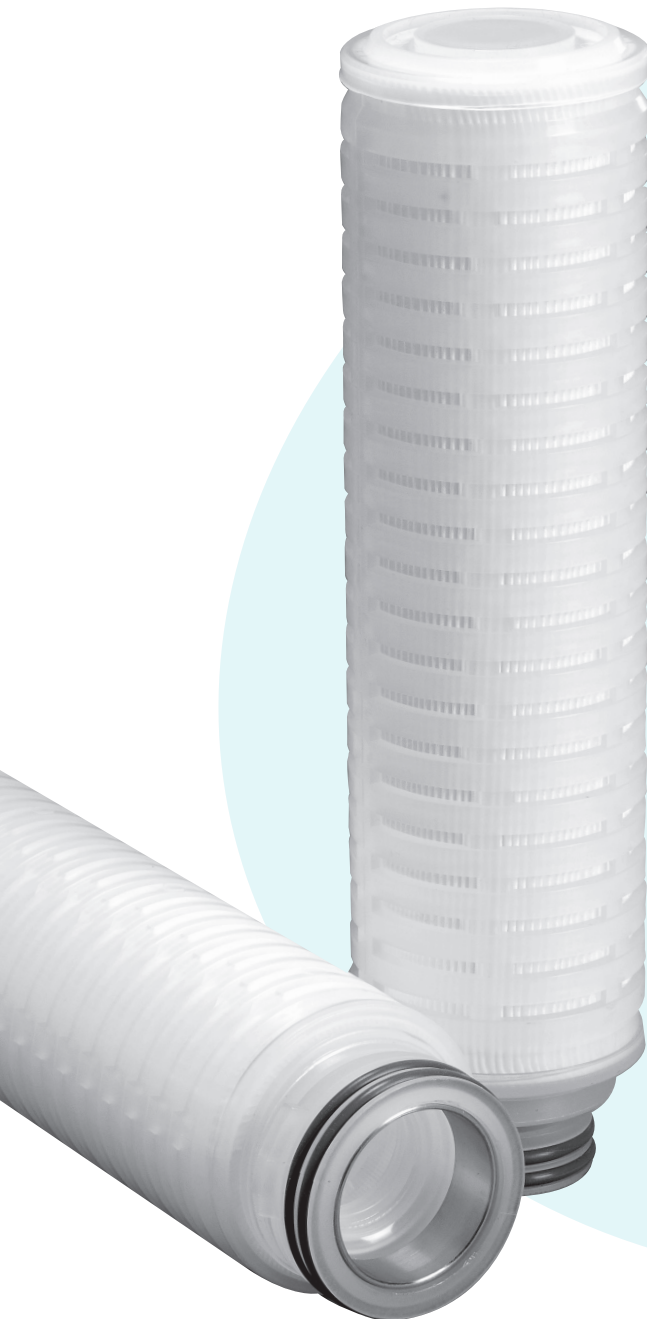
# Bev-Rite

## Pleated Polyethersulfone Membrane Cartridges

The Bev-Rite pleated membrane filters are specifically engineered to provide a barrier to beverage spoiling micro-organisms. The Bev-Rite bio-reduction filter incorporates a highly asymmetric polyethersulfone membrane within our exclusive pleat support configuration, creating one of the industry's most rugged bacteria removal filters. This exceptionally robust filter design means filter performance will remain effective after multiple steam sterilization cycles. Every Bev-Rite filter is integrity tested and flushed with high purity water to assure product performance and purity.

### Features and Benefits

- Absolute-rated and integrity tested membrane provides reliable, consistent and repeatable filtrate to ensure microbiological stability
- Low pressure drops yield higher flow rates and reduced processing time
- Non-fiber shedding Polypropylene support materials eliminate fiber migration
- MAXX-imum Pleat Design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs per element
- 100% Thermally bonded construction
- Low hold-up volumes
- High strength design allowing for extended use and multi autoclave and hot water sanitization cycles
- 316 Stainless steel insert standard



## Quality Compliance

- All materials are listed in Title 21 of the US Code of Federal Regulations 177-182
- Component materials meet the biosafety criteria of the USP Reactivity Test for Class VI Plastics
- Component materials meet the “non-fiber releasing” criteria as defined in 21 CFR 210.3 (b) (6)
- Bev-Rite cartridges are manufactured in a facility whose Quality Management System is approved by an accredited registering body to the ISO 9001:2008 standard
- Bev-Rite cartridges are 100% integrity tested and DI flushed

## Materials of Construction

Filter Media:	Polyethersulfone
Support Material:	Polypropylene
End Caps:	Polypropylene
Reinforcing Ring:	316 Stainless Steel
Cage/Core:	Polypropylene
Sealing:	Thermal Bond
Seals:	Silicone, EPDM

## Integrity Test Values

Pore Size	Bubble Point	Test Pressure
BVR0.20	22 psig IPA/water	17 psig*
BVR0.45	38 psig in water	28 psig
BVR0.65	26 psig in water	20 psig
BVR0.80	16 psig in water	11 psig

\*50/50 IPA/DI water solution

## Product Specifications

### Dimensions

Outside Dia:	2.7" (6.87cm)
Lengths:	10" (25.4cm), 20" (50.8cm), 30" (76.2cm), 40" (102cm)

Effective Filtration Area: 7ft<sup>2</sup> (.65m<sup>2</sup>)

### Performance Specifications:

Absolute Rated Retention:  
0.20µm, 0.45µm, 0.65 µm, 0.80µm

### Maximum Forward Differential Pressure

Forward:	75 psid (5.5 bar) @ 75°F (24°C) 40 psid (2.8 bar) @ 180°F (82°C)
Reverse:	50 psid (3.4 bar) @ 75°F @ (24°C)

### Maximum Operating Temperature

180°F (82°C) Continuous Duty

### Sterilization:

Cartridge can be sterilized via steam or Autoclave: 20 times at 275°F (135°C) Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

### Packaging Economy

Bulk packaging in case quantities to reduce material disposal:

10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

Cartridge Series ex. BVR	Micron Rating <b>0.45</b>	Length <b>-10</b>	Support Materials <b>PP</b>	End Cap Configurations <b>C7</b>	O-ring Materials <b>S</b>
Bev-Rite	0.20	10	PP - Polypropylene	C1-DOE flat open ends C3-SOE flat closed ends, external 222 O-ring C6-SOE flat closed end, external 226 O-ring C7-SOE fin end, external 226 O-ring C8-SOE fin end, external 222 O-ring	S - Silicone (standard O-rings) E - EPDM