

# Bev-Rite

## Polyethersulfone for Food & Beverage Bioburden Reduction

▪ Food & Beverage Applications

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 & Benefits

#### Bev-Rite

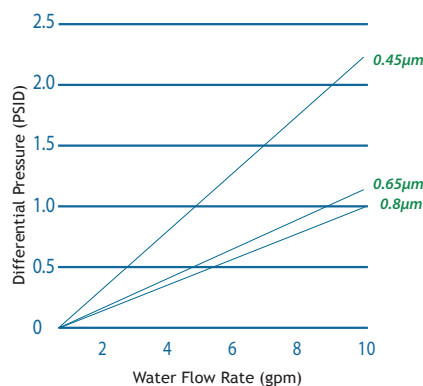
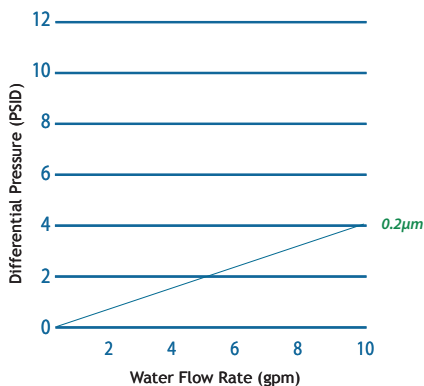
- Absolute-rated and integrity tested membrane provides reliable, consistent and repeatable filtrate to ensure microbiological stability
- Low pressure drops yield higher flow rates and reduced processing time
- Non-fiber shedding polypropylene support materials eliminate fiber migration
- Maximum pleat design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs
- 100% Thermally bonded construction
- 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



### Performance Characteristics



#### Integrity Test Values

Pore Size	Bubble Point	Test Pressure
BVR0.20	50 psig in water	40 psig
BVR0.45	38 psig in water	30 psig
BVR0.65	26 psig in water	20 psig
BVR0.80	16 psig in water	12 psig

## Specifications

### Absolute Rated Retention

0.20, 0.45, 0.65, 0.80

### Maximum Differential Pressure

Forward: 75 psid (5.1 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:

5 inch	48 per carton
10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

## Materials of Construction

### Filter Media

Polyethersulfone

### End Caps

Polypropylene

### Pleat Support Material

Polypropylene

### Cage/Core

Polypropylene

### Seals

EPDM  
 Silicone

### Sealing

Thermal Bond

### Reinforcing Ring

316 Stainless Steel

## Dimensions

### Bev-Rite

### Outside Diameter

2.7" (6.87cm)

### Approx. Surface Area

7ft<sup>2</sup> per 10" equivalent

### Lengths

5" (12.7cm)  
 10" (25.4cm)  
 20" (50.8cm)  
 30" (76.2cm)  
 40" (102cm)

## Ordering Information

