

Bev-Rite

Polyethersulfone for Food & Bioburden Reduction

Clarity
clear solutions

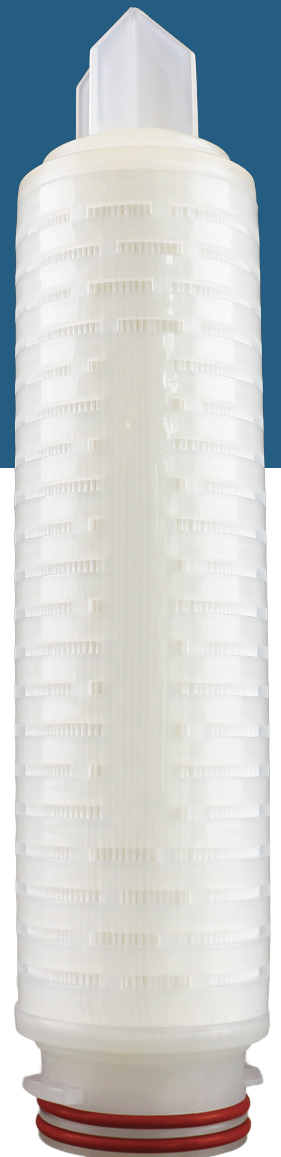
PRODUCT HIGHLIGHTS

- **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
- **High strength design** allowing for extended use and multi autoclave and hot water sanitization cycles
- **316 stainless steel insert** standard
- **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-MAXX cartridges are 100% integrity tested** and DI flushed

PRODUCT DESCRIPTION

Strainrite's **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.



RETENTION RATING

0.2, 0.45, 0.65, 0.8

APPROXIMATE SURFACE AREA

7 square feet per 10" equivalent

OUTSIDE DIAMETER

2.7" (6.87cm)

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)

PRODUCTION PROCESS

Thermal Bond

MAXIMUM OPERATING TEMPERATURE

180°F (82°C) Continuous Duty

PLEAT SUPPORT

Polypropylene

FILTER MEDIA

Polyethersulfone

CAGE/CORE/ENDCAPS

Polypropylene

TOXICITY

Cartridge materials meet USP Class VI and FDA CFR 21 for food and beverage contact

SEALS

EPDM | Silicone

REINFORCING RING

316 Stainless Steel

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

LENGTHS

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

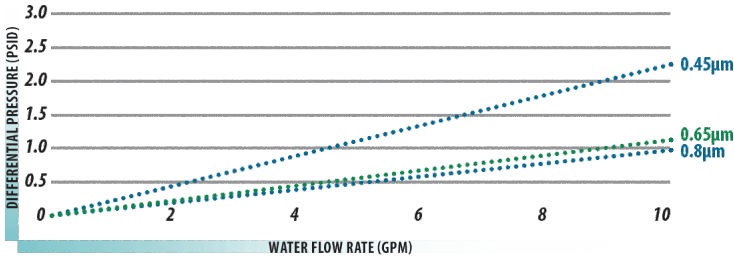
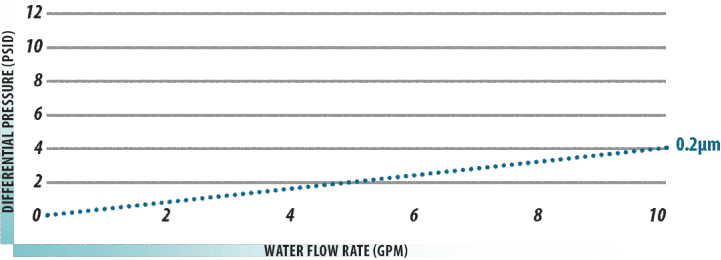
STERILIZATION

Cartridge can be sterilized via steam or Autoclave: 40 times at 275°F (135°C)
Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

SPECIFICATIONS

v 1026

PERFORMANCE CHARACTERISTICS



ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	PLEAT SUPPORT	END CAP	GASKET / O-RING
BVR Bev-Rite	0.2 µm 0.45 µm 0.65 µm 0.8 µm	5" 10" 20" 30" 40"	PP Polypropylene	C1 = Double Open Ends C3 = Flat/222 C6 = Flat/226 C7 = Fin/226 C8 = Fin/222	S = Silicone E = EPDM

