



ORDER GUIDE



Strainrite's Bev-MAXX pleated membrane filters are specifically engineered to provide an absolute barrier to beverage spoiling micro-organisms. The Bev-MAXX incorporates a highly asymmetric polyethersulfone membrane within our exclusive pleat support configuration creating one of the industry's most rugged yeast removal filters. This exceptionally robust filter design means filter performance will remain effective after multiple steam sterilization cycles.

Every Bev-MAXX filter is integrity tested and flushed with high purity water to assure product performance and purity. Integrity test parameters have been correlated to microbiological retention for all of our membrane filters (refer to microbiological performance chart).



- ▶ 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
- ▶ 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-MAXX 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

ABSOLUTE RATED RETENTION			
0.2, 0.45, 0.65			
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			
FILTER MEDIA	END CAPS	PLEAT SUPPORT MATERIAL	CAGE/CORE
Polyethersulfone	Polypropylene	Polypropylene	Polypropylene
SEALS		REINFORCING RING	
EPDM Silicone		316 Stainless Steel	
CONSTRUCTION METHOD			
Thermal Bond			
OUTSIDE DIAMETER		APPROXIMATE SURFACE AREA	
2.7" (6.87cm)		7 square feet per 10" equivalent	
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)			
INTEGRITY TEST VALUES			
PORE SIZE	BUBBLE POINT	TEST PRESSURE	AIR DIFFUSION
BVM0.2	50 psig in water	40 psig	≤16mL/min
BVM0.45	29 psig in water	23 psig	≤13.5mL/min
BVM0.65	26 psig in water	20 psig	≤14mL/min
MICROBIOLOGICAL PERFORMANCE AS LOG REDUCTION VALUE (LRV)			
MICROORGANISM	BVM0.2	BVM0.45	BVM0.65
<i>Oenococcus oeni</i>		LRV ≥12	
<i>Lactobacillus hilgardii</i>		LRV ≥12	
<i>Saccharomyces cerevisiae</i>		LRV ≥12	LRV ≥12
<i>Brevundimonas diminuta</i>	LRV ≥12	LRV	

ORDER OPTIONS

CARTRIDGE	
BVM	Bev-MAXX
MICRON RATINGS	
0.2, 0.45, 0.65	
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
PLEAT SUPPORT	
PP	Polypropylene
END CAP CONFIGURATIONS	
C3 C6 C7 C8	Flat/222 Flat/226 Fin/226 Fin/222
GASKET/O-RING MATERIAL	
S E	Silicone EPDM

NEED A VESSEL FOR YOUR CARTRIDGES?

For the Bev-MAXX, the following vessel types are most commonly used:

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As always, discuss your options with your local sales representative to find the best fit for your application.