

Guard-Rite

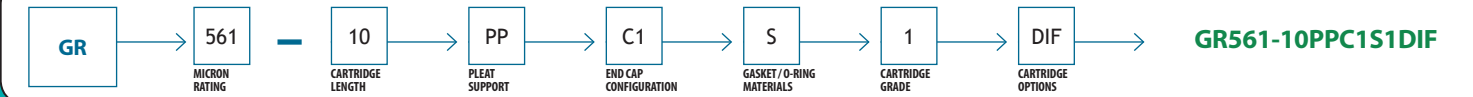
Microglass over Polyethersulfone for Beverage Pre-final filtration

- ▶ PREFILTRATION OF JUICE
- ▶ PREFILTRATION OF WINE

- ▶ PREFILTRATION & CLARIFICATION FOR FINAL STERILIZING GRADE FILTER PROTECTION
- ▶ PREFILTRATION OF BEER



ORDER GUIDE



Created for beverage pre-final filtration, the **Guard-Rite** is the pre-final filter, to cost effectively reduce bioburden before final filtration and packaging. With a depth layer and synchronized final filtration layer optimized to extend final filter life with a stainless steel insert for steam or hot water sanitization.

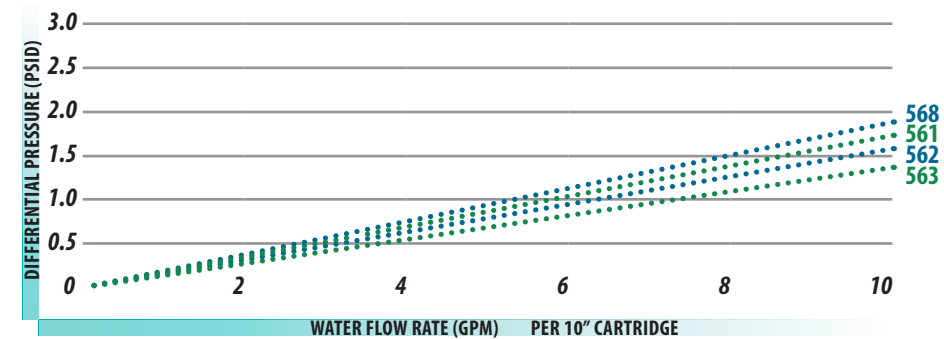
Guard-Rite is engineered to provide cost effective removal of particles and reduction of beverage-spoiling micro-organisms. The superior flowing membrane ensures that flavor and color stay in your beverage.

Every **Guard-Rite** filter comes with a certificate of conformance and is manufactured to meet the highest cleanliness standards.



- ▶ RELIABLE NON FIBER RELEASING MEDIA
- ▶ SYNCHRONIZED MEDIA
- ▶ THERMALLY BONDED CONSTRUCTION
- ▶ NO ADDITIVES OR GLUE
- ▶ ALL MATERIALS OF CONSTRUCTION ARE FDA COMPLIANT WITH CFR TITLE 21
- ▶ THERMALLY BONDED CONSTRUCTION WITHOUT THE USE OF ADHESIVES OR BINDERS, RESULTING IN LOWER EXTRACTABLES
- ▶ HIGH STRENGTH DESIGN ALLOWING FOR EXTENDED USE AND MULTI-AUTOCCLAVE CYCLES

ABSOLUTE RATED RETENTION			
561 = 1µm Microglass over 0.65 µm Polyethersulfone			
562 = 2µm Microglass over 0.65 µm Polyethersulfone			
563 = 3µm Microglass over 0.65 µm Polyethersulfone			
568 = 0.8µm Microglass over 0.65 µm Polyethersulfone			
MAXIMUM DIFFERENTIAL PRESSURE		MAXIMUM OPERATING TEMPERATURE	
Forward: 75 psid (5.1 bar) @ 75°F (24°C) 40 psid (2.8 bar) @ 180°F (82°C)		180°F (82°C) Continuous Duty	
TOXICITY			
Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact			
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
Microglass over Polyethersulfone	Polypropylene	Polypropylene Polyester	Polypropylene
SEALS			
Buna N Fluorocarbon EPDM Silicone FEP Encapsulated Fluorocarbon FEP Encapsulated Silicone PTFE Foam PTFE Hard			
CONSTRUCTION METHOD		OUTSIDE DIAMETER	APPROXIMATE SURFACE AREA
Thermal Bond		2.7" (6.87cm)	5 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)			
PERFORMANCE CHARACTERISTICS			



ORDER OPTIONS

CARTRIDGE	
GR	Guard-Rite
MICRON RATINGS	
561, 562, 563, 568	
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
PLEAT SUPPORT	
PP PE	Polypropylene Polyester
END CAP CONFIGURATIONS	
C1	Double Open Ends
C2	213/Recessed Cup
C3	Flat/222
C4	Single Open End/Flat
C5	Recessed Cup/222
C6	Flat/226
C7	Fin/226
C8	Fin/222
GASKET / O-RING MATERIAL	
S	Silicone
B	Buna N
V	Fluorocarbon
E	EPDM
TF	PTFE Foam
TH	PTFE Hard
TV	Encapsulated Fluorocarbon
TS	Encapsulated Silicone
CARTRIDGE GRADE	
1	FDA Grade
CARTRIDGE OPTIONS	
DIF	DI Flush

NEED A VESSEL FOR YOUR CARTRIDGES?

For the Guard-Rite, the following vessel types are most commonly used:

SRCT—PAGE 126

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