

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



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

ORDER GUIDE



GR561-10PPC1S1DIF

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

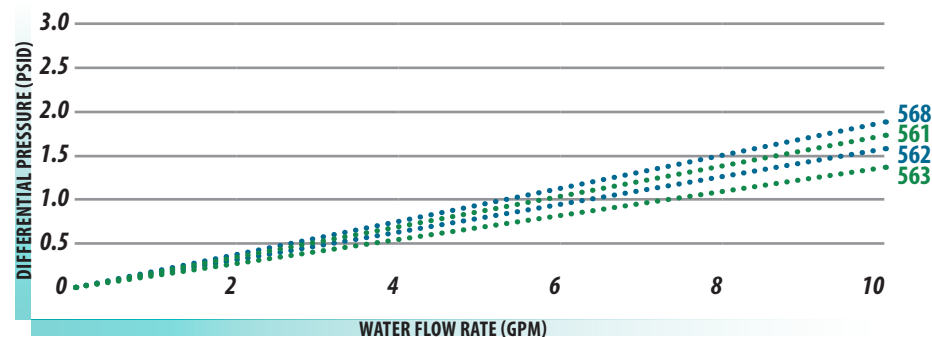
2.7" (6.87cm)

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