Evadur™ Filter Cartridges

High flow, high purity membrane cartridge (General Grade)

Evadur™ is a high purity polyethersulfone membrane cartridge designed specifically for demanding water and chemical filtration applications. Evadur offers a unique pleat design and rugged construction for superior retention and filter life. The hydrophilic polyethersulfone membrane resists a wide variety of chemicals. Evadur achieves very high flow rates while maintaining a very low differential pressure. Evadur has also been designed to have extremely fast "flush-up" or clean up times. Rely on Evadur for your high flow, high purity membrane applications.

Contact Information

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Benefits

- High bacterial retention
- Complete product offering from 0.03 to 0.65 microns
- High-purity polypropylene support structures
- Thermally bonded to exclude liquid capture and extractables
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Manufactured in a clean room environment
- Manufactured with quality control that measures integrity testing
- ISO 9001 registered company

Applications

- Pre and post RO filtration
- Point-of-use filtration
- Bottled water
- Specialty chemical

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SPECIFICATIONS

Materials of Construction

Membrane:
Hydrophilic polyethersulfone

Membrane Support/Drainage:
Polypropylene

Structural components:
Polypropylene

Seal Material:
Various

Sealing Method:
Thermal welding

Dimensions:
Diameter: 2.7 in. (6.8 cm)
Lengths: 10-40 in. (25-102 cm)

Recommended Operating Conditions:

Maximum Temperature: 176°F (80°C) @ 30 ΔP (2.1 bar)

Maximum Differential Pressure

Forward:
70 psi (4.8 bar) @ 77°F (25°C)
30 psi (2.1 bar) @ 176°F (80°C)
Reverse:
50 psi (3.4 bar) @ 77°F (25°C)

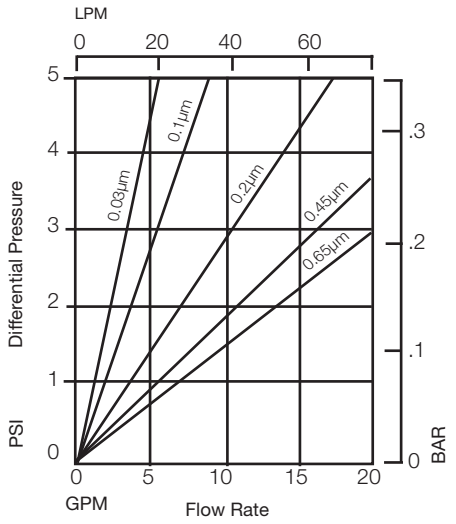
Sterilization/Sanitization Methods

- Isopropyl Alcohol
- Sodium Hydroxide
- Hydrogen Peroxide
- Hot Water: 190°F (88°C) @ 5 psid (0.3 bar)
- Autoclave: 250°F (121°C) for 30 minutes at 15 psi (1.0 bar)
- In Situ Steam: 284°F (140°C) for 60 minutes at 15 psi (1.0 bar)
- Chlorine
- Sodium Hypochlorite
- Sanitizing Agents (refer to most recent Compatibility Guide for details)

Installation Rinse-In

Cartridges typically rinse to back ground resistivity in less than six minutes at 3.5 gpm/10" equivalent

Evadur flow rate vs. ΔP for 1 cps liquid @ 73°F (23°C)



Ordering Information

EV | ☐ | **B** | ☐ | ☐ | ☐ | ☐

Cartridge Code	
Code	Description
EV	Evadur

Pore Size	
Code	Micron
T	0.03
S	0.1
F	0.2
R	0.45
H	0.65

Diameter	
Code	Inches
B	2.7

Length	
Code	Inches
10	10
20	20
30	30
40	40

Seal Material	
Code	Material
E	EPR
B	Buna-N
S	Silicone
T	PFA Encapsulated Viton® (O-ring only)
V	Viton® (O-ring only)
X	No seal material

End Cap Configuration	
Code	Description
HH	Double Open End
DX	DOE w/extender
SC	226 O-ring/Flat Cap
SF	226 O-ring/Fin
TC	222 O-ring/Flat Cap
TF	222 O-ring/Fin
LL	120 O-ring (both ends)
LR	120 O-ring/Recessed End
PR	213 O-ring/Recessed
AR	020 O-ring/Recessed