



Evadur™ Filter Cartridges

■ Polyethersulfone Membrane

General Grade Membrane Series

Evadur™ High Flow, High Purity Membrane Cartridge

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 your Parker Filtration Representative for more information.

Applications

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



Features and 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 biosafe in accordance with USP Class VI-121°C Plastic Test.
- All materials listed as acceptable for potable and edible contact according to CFR Title 21.
- Manufactured in a zone Class 10 clean room.
- Manufactured with strict quality control measuring rinse-up, integrity testing, flow rate, and extractable levels.
- Parker Process Filtration Division is an ISO9000:2000 Certified Division.

Process Filtration Division



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)

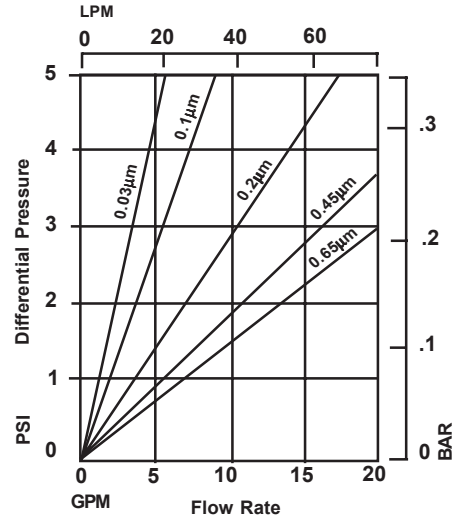
Sterilization/Sanitization Methods:

- 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 (see Materials Selection Guide, Bulletin C-770)

Installation Rinse-In:

- Cartridges typically rinse to background 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	T	B	10	E	TC	
Cartridge Code	Pore Size (µm)	Diameter (in)	Length (in)	Seal Material	End Cap Configuration	
EV = Evadur Cartridge	T = 0.03 S = 0.1 F = 0.2 R = 0.45 H = 0.65	B = 2.7	10 = 10 20 = 20 30 = 30 40 = 40	E = EPR B = Buna-N S = Silicone T = PFA encapsulated Viton* (o-ring only) X = No seal material	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

* Trademark of E. I. duPont de Nemours & Co.
** Consult Process Filtration Division for gas flow data.