

POLYETHERSULFONE MEMBRANE CARTRIDGE



Feature-Tec's ELCPF hydrophilic pleated Polyethersulfone membrane filter cartridges are specifically designed to offer high flow rates at an economical cost. The asymmetric structure features a large surface area that allows for superior flow rates and high particle removal efficiency.

Applications

- Photoresists
- Washing liquids
- Solvents
- Ultrapure water
- Sterile filtration
- Pharmaceuticals
- CIP filtration
- Food & beverages
- Chemicals and many more

Features and benefits

- Absolute removal ratings >99.9%
- Asymmetric, hydrophilic pleated Polyethersulfone membrane filter cartridges
- Large surface area offers high flow rates @ low initial differential pressure
- No surfactants or wetting agents
- Available in a wide variety of adapter/end cap configurations

- Flushed with 18 M Ω-cm DI-water for 30 minutes at 7.57 l/min (2 gpm) with low TOC level
- Filter cartridges may be autoclaved for at least 10 times half-hour cycles @ 121 °C (250 °F)
- According to FDA requirements title 21

Filter specifications

Material

Pleated asymmetric, hydrophilic polyethersulfone membrane

Inner core, cage, caps, support layer

Polypropylene

O-rings / Gaskets

Buna N, Silicone, EPDM, Viton, FEP/Silicone, FEP/Viton

Retention ratings

0.04, 0.1, 0.2, 0.45, 0.65, 1.2 μm

Dimensions / Parameters

Nominal lengths

10", 20", 30", 40" (254, 508, 762, 1016 mm)

Outside diameter

63 mm (2.48")

Inside diameter

28 mm (1.1")

Maximum operating temperature

93 °C (200 °F)

Max. differential pressures

1.67 bar @ 80 °C (24.2 psid @ 176 °F) 5.39 bar @ 21 °C (78.2 psid @ 70 °F)

Recommended change-out pressure drop for disposal

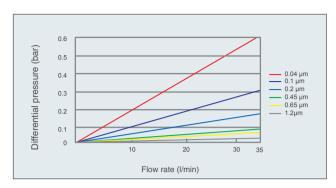
2.1 bar @ 21 °C (30.5 psid @ 70 °F)

Bubble point integrity test (Pure water, 20°C)

0.1 μm: ≥3.8 bar 0.22 μm: ≥3.4 bar 0.45 μm: ≥2.3 bar

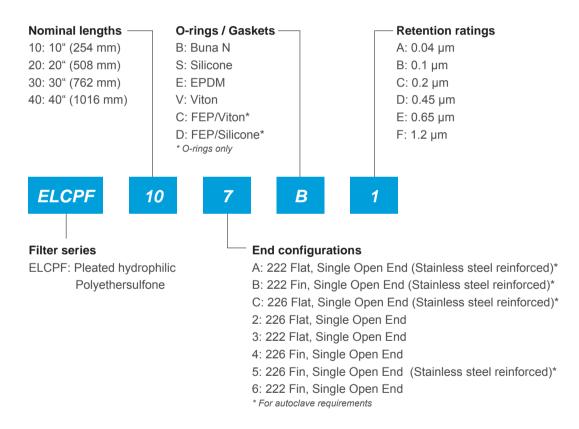


ELCPF Water Flow Rate (10" length)*



^{*} For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C

Ordering information





Brisbane, Australia www.monarchindustrial.com.au www.monarchasiapacific.com.au