WE SERIES PLEATED POLYSULFONE MEMBRANE FILTER CARTRIDGE

- Composed of a double layer of integrity testable, highly asymmetric polysulfone membrane. These absolute rated filters offer superior bacteria and particle removal for high efficiency postfiltration for critical high purity water applications.
- Long on stream life, high flow rates and low pressure drops result from the membrane asymmetry.
- High-purity construction materials are factory flushed with DI water for quick on-stream rinse-up with a minimum of throughput.
- All polypropylene hardware and thermal welding minimizes extractables.
- Material generally recognized as safe in food and beverage applications.

CARTRIDGE SPECIFICATIONS

Dimensions
- Diameter (OD): 2.6” (6.6 cm)
- Length (in): 9.75, 10, 20, 30, 40

Materials
- Cartridge: Polypropylene caps, core and cage
- Media: Double layer asymmetric hydrophilic polysulfone
- Seals: Silicone o-rings

Operating Parameters
- Maximum Temperature: 203°F (95°C) @ 20 psid (1.4 bar)
- Maximum Differential Pressure @ 20°C: 80 psi (5.5 bar)
- Filtration Efficiency: 100% Absolute

Recommended Water Flow Rates
- 0.02 micron: 0.6 gpm/10” length (2.3 lpm/10” length)
- 0.1 micron: 1.2 gpm/10” length (4.5 lpm/10” length)
- 0.2 micron: 2.2 gpm/10” length (8.3 lpm/10” length)
- 0.45 micron: 3.2 gpm/10” length (12.1 lpm/10” length)

Sanitizing Agents
- 5% Chlorine or 3% hydrogen peroxide

Integrity Test
- Pore Size: Diffusional Flow (cc/min) @ Test Pressure per 10” length
  - 0.02 micron: 20 @ 50 psig (3.4 bar)
  - 0.1 micron: 24 @ 25 psig (1.7 bar)
  - 0.2 micron: 18 @ 20 psig (1.4 bar)
  - 0.45 micron: 15 @ 15 psig (1.0 bar)

FLOW RATE VS. INITIAL CLEAN PRESSURE DROP

ORDERING INFORMATION

Catalog Number and Description
- FCWE: Filter Cartridge Double Layer Polysulfone

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<th>XX</th>
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To figure your order number, replace the X with one of the numbered or lettered options beside it. Note: Not all part number combinations are available; consult Technical Support for assistance.

24-Hour Customer Service: +1 (800) 466-7873 www.evoqua.com

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