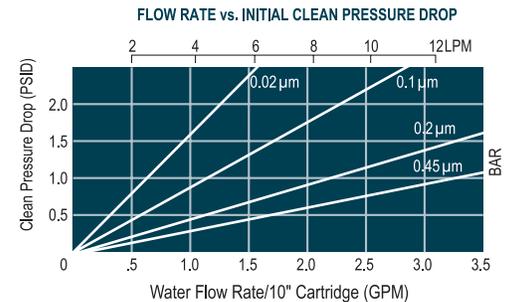![Evoqua Water Technologies logo]

WE SERIES PLEATED POLYSULFONE MEMBRANE FILTER CARTRIDGE

- Composed of a double layer of integrity testable, highly asymmetric polysulfone membrane. These absolute rated filters offers 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**
X	Cartridge Code: **0** = 2-222 o-rings **5** = 2-222 o-rings w/spear end **1** = single open end w/ internal o-ring **7** = 2-226 o-rings w/locking tabs/spear end **F** = double open end w/flat gasket seal
XX	Length (in): **09** = 9.75, **10** = 10, **20** = 20, **30** = 30, **40** = 40
XX(X)	Micron Rating: **S02** = 0.02 μm , **S1** = 0.1μm, **S2** = 0.2 μm, **S4** = 0.45 μm

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**