Capillary Ultrafiltration Module

**Performance†**
- Filtrate Flow: 16.3 – 39.5 gpm (3.7 – 9.0 m³/h)
- Filtrate Turbidity: ≤ 0.07 NTU
- Virus removal: ≥ 4 log
- Bacteria removal: ≥ 4 log

**Type**
- Configuration: Capillary Ultrafiltration Module
- Membrane Polymer: Hydrophilic Polyethersulfone
- MWCO, nominal: 150,000 Daltons
- Nominal Membrane Area: 670 ft² (62.2 m²)
- Fiber Dimensions: ID 0.031" (0.8 mm), OD 0.055" (1.4 mm)

**Application Data‡**
- Typical Filtrate Flux Range: 35 – 85 gfd (59 – 145 l/m²/h)
- Maximum Applied Feed Pressure: 73 psig (5 bar)
- Maximum Transmembrane Pressure: 20 psig (1.4 bar)
- Maximum Backwash Transmembrane Pressure: 20 psig (1.4 bar)
- Instantaneous Chlorine Tolerance: 100 ppm
- Instantaneous Hydrogen Peroxide Tolerance: 200 ppm
- Maximum Chlorine Exposure: 100,000 ppm-hrs
- Maximum Instantaneous Feed Turbidity: 100 NTU
- Maximum Operating Temperature: 104 °F (40 °C)
- pH Operating Range: 4.0 – 10.0
- Cleaning pH Range: 1.5 – 13.0
- Operating Mode: Inside to Outside Filtration

**Typical Process Conditions**
- Backwash Flux: 100 – 150 gfd (170 – 255 l/m²/h)
- Backwash Duration: 30 – 60 seconds
- Backwash Frequency: 20 – 60 minutes
- Chemical Enhanced Backwash Frequency: 0 – 4 times per day
- Chemical Enhanced Backwash Duration: 1 – 30 minutes
- Disinfection Chemicals: NaOCl, H₂O₂, ClO₂ or NH₂Cl
- Cleaning Chemicals: HCl, H₂SO₄, NaOH or Citric Acid

**Certifications:** NSF61, CA-DHS and ETV-NSF Verification

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For 15 minutes or less.
† Typical module performance for most feedwaters.
‡ The limitations shown here are for general use. The values may be more conservative for specific projects to ensure the best performance and longest life of the membrane.

Notice: Weight stated is shipping weight including 1L of a 0.95% solution of sodium bisulfite preservative.

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