# Multibore Capillary UF Module

## HYDRAcap®60+-A

### Performance
- **Filtrate Flow:** 14.7 – 35.7 gpm (3.3 – 8.1 m³/h)
- **Filtrate Turbidity:** ≤ 0.07 NTU
- **Virus removal:** ≥ 4 log
- **Bacteria removal:** ≥ 4 log

### Type
- **Configuration:** Capillary Ultrafiltration Module
- **Membrane Polymer:** Hydrophilic Polyethersulfone
- **Nominal Membrane Area:** 605 ft² (56 m²)
- **Fiber Dimensions:**
  - Bore Diameter: 0.035” (0.9 mm)
  - Outer Diameter: 0.149” (3.8 mm)
- **Pore size:** 0.02 micron

### Application Data
- **Typical Filtrate Flux Range:** 35 – 85 gfd (59 – 145 l/m²/h)
- **Maximum Applied Feed Pressure:** 73 psig (5 bar)²
- **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:** 200,000 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, Dead End or Crossflow

### 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:** NaOH, HCl, H₂SO₄, or Citric Acid

### Diagram

![Diagram of Multibore Capillary UF Module](image)

<table>
<thead>
<tr>
<th>A, inches (mm)</th>
<th>B, inches (mm)</th>
<th>C, inches (mm)</th>
<th>Pipe connections</th>
<th>Weight, lbs. (kg) ave.</th>
</tr>
</thead>
<tbody>
<tr>
<td>63 (1600)</td>
<td>66 1/8 (1680)</td>
<td>67 1/4 (1708)</td>
<td>2” Victaulic</td>
<td>97 (44)</td>
</tr>
</tbody>
</table>

### Certifications:
- **NSF61. Acceptable for drinking water use under LT2ESWTR.**

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* 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.
‡ At 68°F (20°C).
§ For 15 minutes or less.

**Notice:** Weight stated is shipping weight including 1L of a 10% Glycerin/18% Polypropylene glycol/72% water preservative.

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