

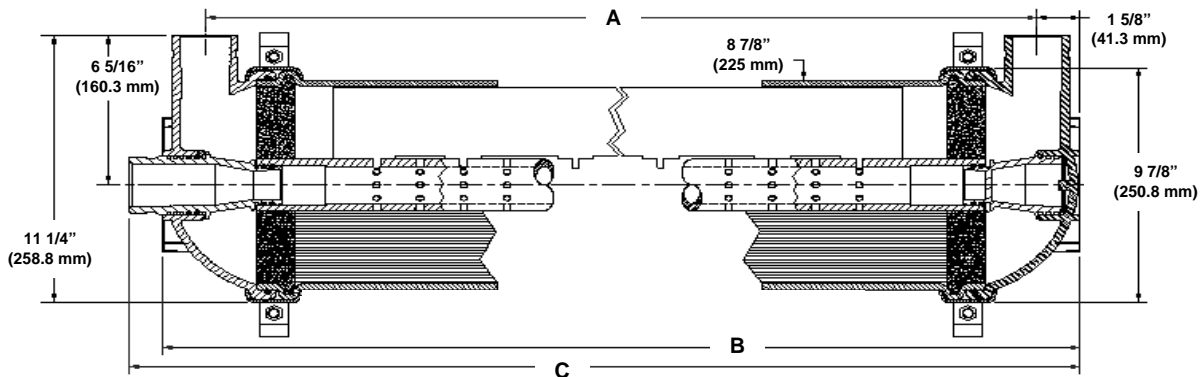
Capillary Ultrafiltration Module

HYDRAcap80

| | | |
|-------------------------------------|---|---|
| Performance[†] | Filtrate Flow: Filtrate Turbidity: Virus removal: Bacteria removal: | 16.3 – 39.5 gpm (3.7 – 9.0 m ³ /h) ≤ 0.07 NTU ≥ 4 log ≥ 4 log |
| Type | Configuration: Membrane Polymer: MWCO, nominal: Nominal Membrane Area: Fiber Dimensions: | Capillary Ultrafiltration Module Hydrophilic Polyethersulfone 150,000 Daltons 670 ft ² (62.2 m ²) ID 0.031" (0.8 mm), OD 0.055" (1.4 mm) |
| Application Data[‡] | Typical Filtrate Flux Range: Maximum Applied Feed Pressure: Maximum Transmembrane Pressure: Maximum Backwash Transmembrane Pressure: Instantaneous Chlorine Tolerance: Instantaneous Hydrogen Peroxide Tolerance: Maximum Chlorine Exposure: Maximum Instantaneous Feed Turbidity: Maximum Operating Temperature: pH Operating Range: Cleaning pH Range: Operating Mode: | 35 – 85 gfd (59 – 145 l/m ² /h) 73 psig (5 bar) 20 psig (1.4 bar) 20 psig (1.4 bar) 100 ppm* 200 ppm* 100,000 ppm-hrs 100 NTU 104 °F (40 °C) 4.0 - 10.0 1.5 – 13.0 Inside to Outside Filtration Direct flow or Crossflow |

Typical Process Conditions

| | |
|---------------------------------------|---|
| Backwash Flux: | 100 – 150 gfd (170 – 255 l/m ² /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, H ₂ O ₂ , ClO ₂ or NH ₂ Cl |
| Cleaning Chemicals: | HCl, H ₂ SO ₄ , NaOH or Citric Acid |



| A, inches (mm) | B, inches (mm) | C, inches (mm) | Pipe connections | Weight, lbs. (kg) ave. |
|----------------|----------------|----------------|------------------|------------------------|
| 83 (2108) | 86 1/8 (2188) | 87 1/4 (2216) | 2" Victaulic | 120 (54) |

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

* 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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