

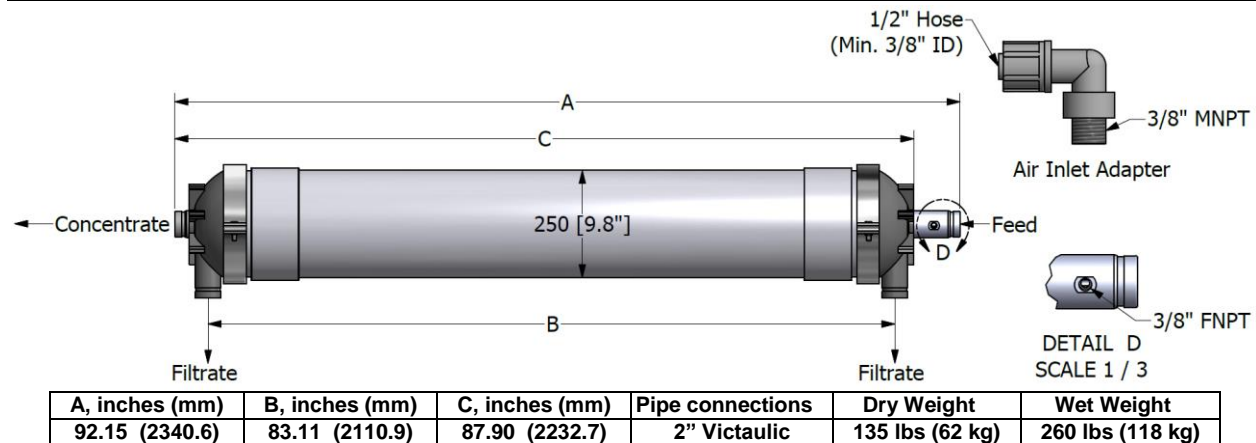
## Capillary Ultrafiltration Module

## HYDRAcap<sup>®</sup> MAX 80

<b>Performance<sup>1</sup></b>	Filtrate Flow: Filtrate Turbidity: Bacteria removal:	15.7 – 51.0 gpm (3.6 – 11.6 m <sup>3</sup> /h) ≤ 0.10 NTU ≥ 4 log
<b>Type</b>	Configuration: Membrane Polymer: Nominal Membrane Area: Fiber Dimensions: Pore size:	Capillary Ultrafiltration Module PVDF 1130 ft <sup>2</sup> (105 m <sup>2</sup> ) ID 0.024" (0.6 mm), OD 0.047" (1.2 mm) 0.08 micron
<b>Application Data<sup>2</sup></b>	Typical Filtrate Flux Range: Maximum Applied Feed Pressure: Maximum Transmembrane Pressure: Instantaneous Chlorine Tolerance: Maximum Chlorine Exposure: Maximum Feed Turbidity: Maximum Operating Temperature: pH Operating Range: Cleaning pH Range: Operating Mode:	20 – 65 gfd (34 – 110 l/m <sup>2</sup> /h) 73 psig (5.0 bar) <sup>3</sup> 30 psig (2.0 bar) 5000 ppm <sup>4</sup> 750,000 ppm-hrs 300 NTU <sup>5</sup> 104 °F (40 °C) 4.0 – 10.0 1.0 – 13.0 Outside to Inside Filtration Dead End or Cross flow mode

### Typical Process Conditions

Air Scour Rate:	7.3 – 9.1 acfm (12.3 – 15.4 m <sup>3</sup> /h)
Air Scour Duration:	120 – 240 seconds
Air Scour Frequency:	Once every 20 – 60 minutes
Maintenance Clean Frequency:	1 – 3 times per day
Maintenance Clean Duration:	20 – 30 minutes
Disinfection Chemicals:	NaOCl, ClO <sub>2</sub> or NH <sub>2</sub> Cl
Cleaning Chemicals:	NaOH, HCl, H <sub>2</sub> SO <sub>4</sub> , or Citric Acid



### Certifications: NSF61, NSF419 (US LT2ESWTR – Public Drinking Water Compliance)

<sup>1</sup> Typical module performance for most feedwaters.

<sup>2</sup> 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.

<sup>3</sup> At 68°F (20°C). 58psi (4 bar) @ 86°F (30°C). 44 psi (3 bar) @ 104°F (40°C).

<sup>4</sup> For 60 minutes or less.

<sup>5</sup> Higher values can be treated. Consult Hydranautics' technical staff.



**Notice:** Hydranautics also offers HYDRAcap<sup>®</sup> MAX 80-NON, which is a dummy module with no potting or fiber.

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