

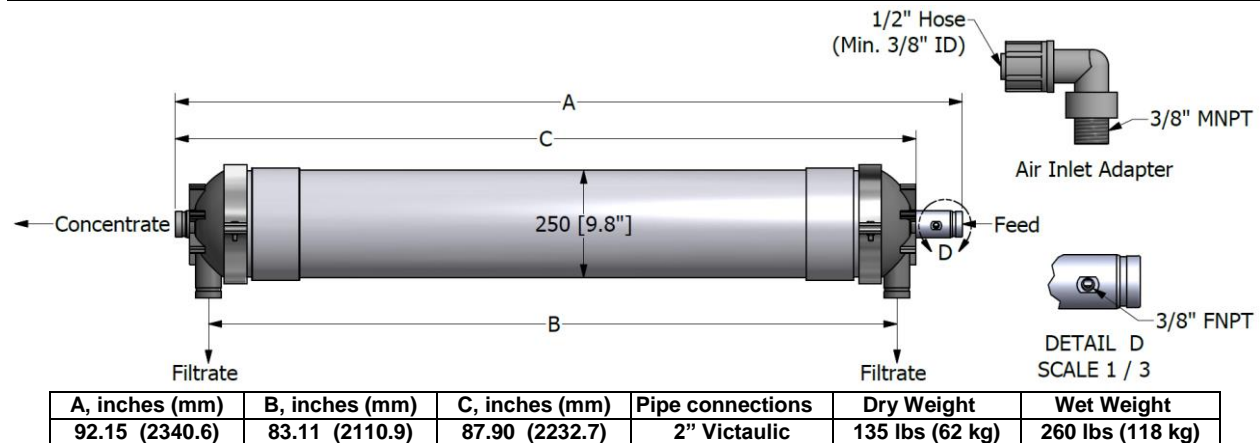
Capillary Ultrafiltration Module

HYDRAcap[®] MAX 80

Performance¹	Filtrate Flow: Filtrate Turbidity: Bacteria removal:	15.7 – 51.0 gpm (3.6 – 11.6 m ³ /h) ≤ 0.10 NTU ≥ 4 log
Type	Configuration: Membrane Polymer: Nominal Membrane Area: Fiber Dimensions: Pore size:	Capillary Ultrafiltration Module PVDF 1130 ft ² (105 m ²) ID 0.024" (0.6 mm), OD 0.047" (1.2 mm) 0.08 micron
Application Data²	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 ² /h) 73 psig (5.0 bar) ³ 30 psig (2.0 bar) 5000 ppm ⁴ 750,000 ppm-hrs 300 NTU ⁵ 104 °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 ³ /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 ₂ or NH ₂ Cl
Cleaning Chemicals:	NaOH, HCl, H ₂ SO ₄ , or Citric Acid



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

¹ Typical module performance for most feedwaters.

² 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.

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

⁴ For 60 minutes or less.

⁵ Higher values can be treated. Consult Hydranautics' technical staff.



Notice: Hydranautics also offers HYDRAcap[®] MAX 80-NON, which is a dummy module with no potting or fiber.

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