

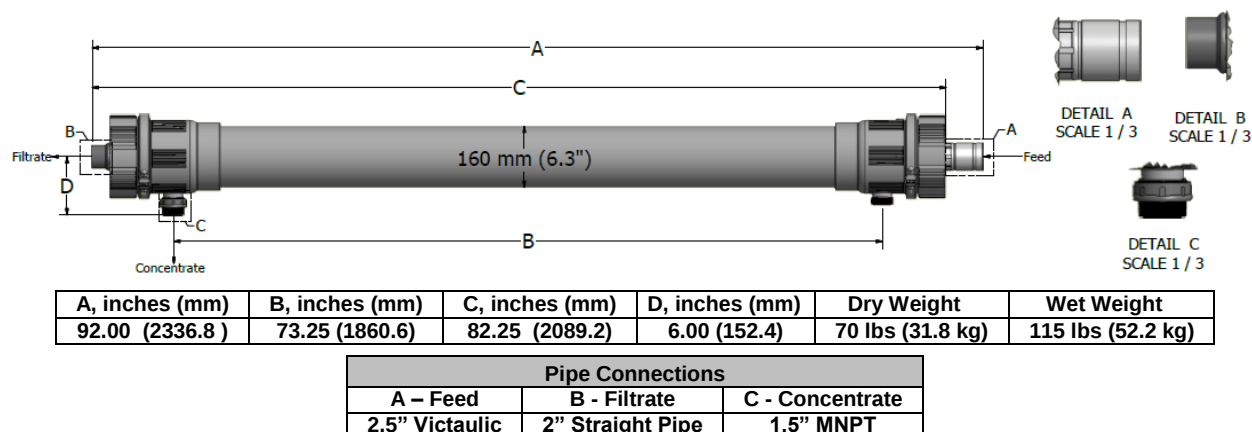
Capillary Ultrafiltration Module

HYDRAcap[®] AM 2.5

Performance	Filtrate Flow [†] : Filtrate Turbidity [†] : Bacteria removal [†] :	10 – 30 gpm (2.2 – 6.8 m ³ /h) ≤ 0.10 NTU ≥ 4 log
Type	Configuration: Membrane Polymer: Nominal Membrane Area: Fiber Dimensions: Pore size:	Capillary Ultrafiltration Module PVDF 538 ft ² (50 m ²) ID 0.024" (0.6 mm), OD 0.047" (1.2 mm) 0.08 micron
Application Data[‡]	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) 30 psig (2.0 bar) 5000 ppm 750,000 ppm-hrs 300 NTU 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:	2.5 – 5.1 acfm (4.0 – 8.0 m ³ /h)
Backwash + Air Scour Duration:	120 – 240 seconds
Backwash + 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



* At 68°F (20°C).

** For 60 minutes or less.

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

† Typical module performance for most feedwaters.

‡ The ranges and values shown are for general use. Actual values may vary for specific projects to ensure the best performance and longest life of the membrane.

Notice: Hydranautics also offers HYDRAcap[®] AM-NON, which is a non-functional module with no potting or fiber.

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