

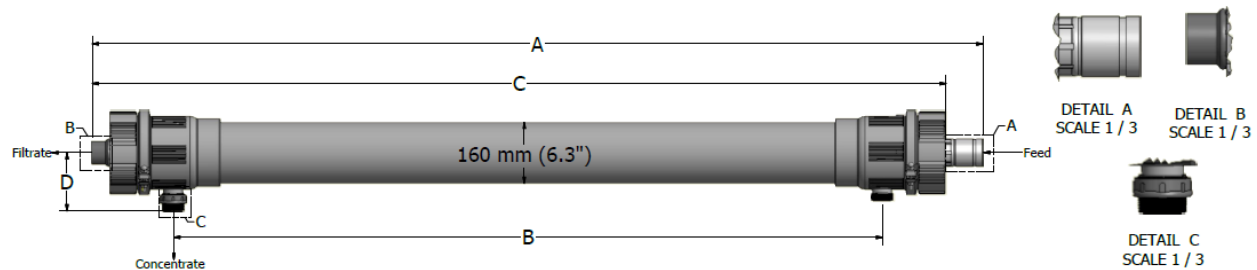
Capillary Ultrafiltration Module

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



A, inches (mm)	B, inches (mm)	C, inches (mm)	D, inches (mm)	Dry Weight	Wet Weight
92.00 (2336.8)	73.25 (1860.6)	82.25 (2089.2)	6.00 (152.4)	70 lbs (31.8 kg)	115 lbs (52.2 kg)

Pipe Connections		
A – Feed	B - Filtrate	C - Concentrate
2.5" Victaulic	2" Straight Pipe	1.5" MNPT

* 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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