

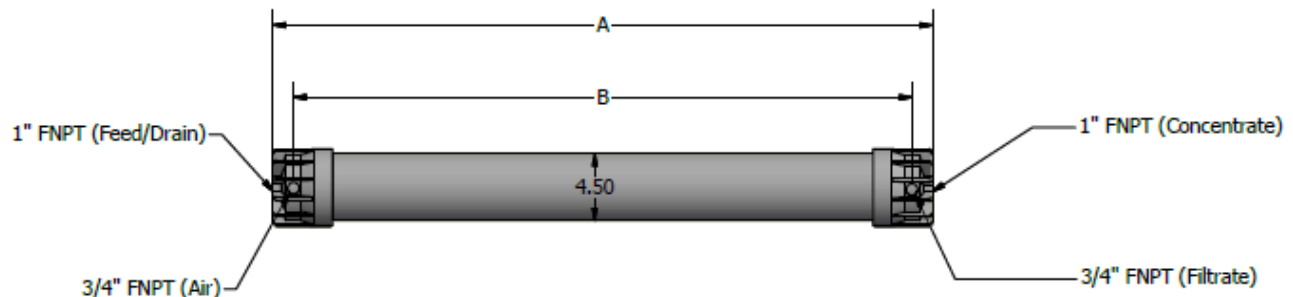
Capillary Ultrafiltration Module

HYDRAcap® MAX 4040

Performance[†]	Filtrate Flow: Filtrate Turbidity: Bacteria removal:	1.4 – 4.4 gpm (0.3 – 1.0 m ³ /h) ≤ 0.10 NTU ≥ 4 log
Type	Configuration: Membrane Polymer: Nominal Membrane Area: Fiber Dimensions: Pore size:	Capillary Ultrafiltration Module PVDF 97 ft ² (9 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:	1.3 – 1.6 acfm (2.2 – 2.7 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



A, inches (mm)	B, inches (mm)	Feed Pipe Connection	Filtrate Pipe Connections	Dry Weight	Wet Weight
44.88 (1140)	41.42 (1052)	1" FNPT	3/4" FNPT	25 lbs (11.3 kg)	51 lbs (23.1 kg)

^{*} At 68°F (20°C).

^{**} For 60 minutes or less.

^{***} Higher values can be treated. Consult with Hydranautics' technical staff.

[†] 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:

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