



## **Capillary Ultrafiltration Module**

## HYDRAcap<sup>®</sup> MAX 40

Performance <sup>1</sup>	Filtrate Flow: Filtrate Turbidity: Bacteria removal:		5	7.5 –24.4 gpm (1.7 – 5.5 m <sup>3</sup> /h) ≤ 0.10 NTU ≥ 4 log		
Туре	Configuration: Membrane Polymer: Nominal Membrane Area: Fiber Dimensions: Pore size:			Capillary Ultrafiltration Module PVDF 560 ft <sup>2</sup> (52 m <sup>2</sup> ) ID 0.024" (0.6 mm), OD 0.047" (1.2 mm) 0.08 micron		
Application Data <sup>2</sup>	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:		: 7 ure 3 : 5 : 7 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	20 - 65 gfd $(34 - 110 \text{ l/m}^2/\text{h})$ 73 psig $(5.0 \text{ bar})^3$ 30 psig $(2.0 \text{ bar})$ 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 (	cal Process Conditions Air Scour Rate: Air Scour Duration: Air Scour Frequency: Maintenance Clean Frequency: Maintenance Clean Duration: Disinfection Chemicals: Cleaning Chemicals:			7.3 – 9.1 acfm (12.3 – 15.4 m <sup>3</sup> /h) 120 – 240 seconds Once every 20 – 60 minutes 1 – 3 times per day 20 – 30 minutes NaOCI, CIO <sub>2</sub> or NH <sub>2</sub> CI NaOH, HCI, H <sub>2</sub> SO <sub>4</sub> or Citric Acid		
		A		1/2" Hose (Min. 3/8" ID)	-3/8" MNPT	
- Concentrate	250 [9.8"]			Air Inlet Adapter		
Filtrate	B, inches (mm)	BBB	Pipe connections	Filtrate	3/8" FNPT DETAIL D SCALE 1 / 3 Wet Weight	
52 74 (1264 0)	44 70 (1135 5)	40 50 (1257 2)	2" Victorio	00 lbc (41 kg)	464 lbo (72 km)	

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

49.50 (1257.3)

<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.

2" Victaulic

90 lbs (41 kg)

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

44.70 (1135.5)

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

53.74 (1364.9)

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

Notice: Hydranautics also offers HYDRAcap®MAX 40-NON, which is a dummy module with no potting or fiber.

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161 lbs (73 kg)