

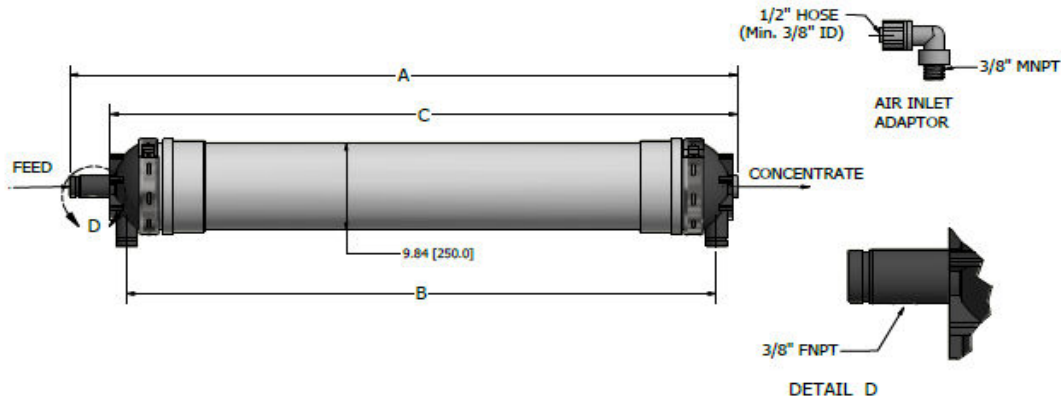
Capillary Ultrafiltration Module

HYDRAcap® MAX 40

| | | |
|-------------------------------------|--|--|
| Performance¹ | Filtrate Flow: Filtrate Turbidity: Bacteria removal: | 7.5 –24.4 gpm (1.7 – 5.5 m ³ /h) ≤ 0.10 NTU ≥ 4 log |
| Type | Configuration: Membrane Polymer: Nominal Membrane Area: Fiber Dimensions: Pore size: | Capillary Ultrafiltration Module TIPS PVDF 560 ft ² (52 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 1,000,000 ppm-hrs 300 NTU ⁵ 104 °F (40 °C) 2.0 – 11.0 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 |



| A, inches (mm) | B, inches (mm) | C, inches (mm) | Pipe connections | Dry Weight | Wet Weight |
|----------------|----------------|----------------|------------------|----------------|-----------------|
| 53.74 (1364.9) | 44.70 (1135.5) | 49.50 (1257.3) | 2" Victaulic | 90 lbs (41 kg) | 161 lbs (73 kg) |

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 ≤20°C. 58psi (4 bar) between 21 – 30°C. 44 psi (3 bar) between 31 – 40°C.

⁴For 60 minutes or less.

⁵Higher 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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9/1/20