

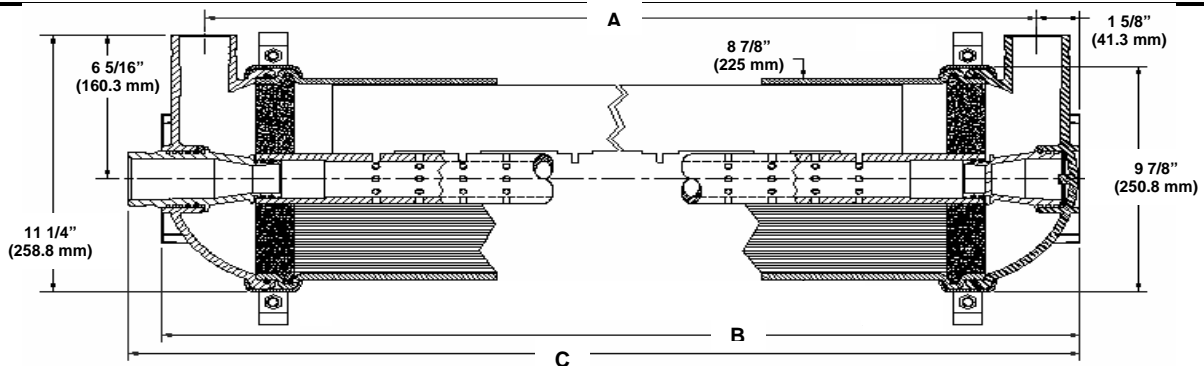
Capillary Ultrafiltration Module

HYDRAcap40

Performance[†]	Filtrate Flow: Filtrate Turbidity: Virus removal Bacteria removal TOC Reduction	7 – 19 gpm (1.6 – 4.4 m ³ /h) ≤ 0.07 NTU ≥ 4 log ≥ 4 log 5 – 65 %*
Type	Configuration: Membrane Polymer: MWCO, nominal Nominal Membrane Area: Number of Fibers: Fiber Dimensions:	Capillary Ultrafiltration Module Hydrophilic Polyethersulfone 150,000 Daltons 320 ft ² (30 m ²) 13,200 ID 0.031" (0.8 mm), OD 0.051" (1.3 mm)
Application Data[‡]	Typical Filtrate Flux Range: Maximum Applied Feed Pressure: Maximum Transmembrane Pressure: Maximum Backwash Transmembrane Pressure: Instantaneous Chlorine Tolerance: Instantaneous Hydrogen Peroxide Tolerance: Maximum Chlorine Exposure: Maximum Instantaneous Feed Turbidity: Maximum Operating Temperature: pH Operating Range: Cleaning pH Range: Operating Mode:	35 – 85 gfd (59 – 145 l/m ² /h) 73 psig (5 bar) 20 psig (1.4 bar) 20 psig (1.4 bar) 100 ppm** 200 ppm* 200,000 ppm-hrs 100 NTU 104 °F (40 °C) 4.0 - 10.0 1.5 – 13.0 Inside to Outside Filtration Direct flow or Crossflow

Typical Process Conditions

Backwash Flux:	100 – 150 gfd (170 – 255 l/m ² /h)
Backwash Duration:	30 – 60 seconds
Backwash Frequency:	20 – 60 minutes
Chemical Enhanced Backwash Frequency:	0 – 4 times per day
Chemical Enhanced Backwash Duration:	1 – 30 minutes
Disinfection Chemicals:	NaOCl, H ₂ O ₂ , ClO ₂ or NH ₂ Cl
Cleaning Chemicals:	HCl, H ₂ SO ₄ , NaOH or Citric Acid



A, inches (mm)	B, inches (mm)	C, inches (mm)	Pipe connections	Weight, lbs. (kg) ave.
43 (1092)	46 1/8 (1172)	47 1/4 (1200)	2" Victaulic	63 (28)

Certifications: NSF61, CA-DHS and ETV-NSF Verification

* Typical TOC rejection is 5-15% without coagulant and 40-65% with coagulant.

** For 15 minutes or less.

† 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: Weight stated is shipping weight including 1L of a 0.95% solution of sodium bisulfite preservative.

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