

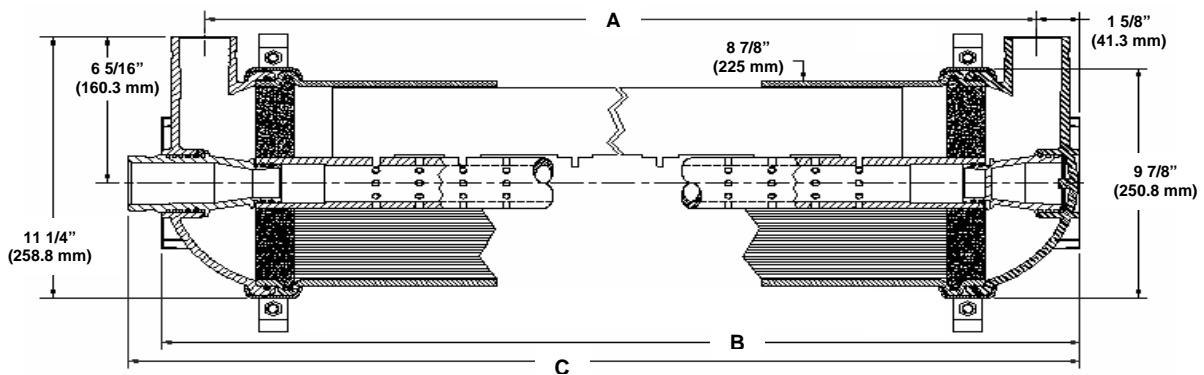
## Capillary Ultrafiltration Module

## HYDRAcap60

<b>Performance<sup>†</sup></b>	Filtrate Flow:	11 – 30 gpm (2.7 – 6.8 m <sup>3</sup> /h)
	Filtrate Turbidity:	≤ 0.07 NTU
	Virus removal:	≥ 4 log
	Bacteria removal:	≥ 4 log
	TOC Reduction:	5 – 65 % <sup>*</sup>
<b>Type</b>	Configuration:	Capillary Ultrafiltration Module
	Membrane Polymer:	Hydrophilic Polyethersulfone
	MWCO, nominal:	150,000 Daltons
	Nominal Membrane Area:	500 ft <sup>2</sup> (46 m <sup>2</sup> )
	Number of Fibers:	13,200
	Fiber Dimensions:	ID 0.031" (0.8 mm), OD 0.051" (1.3 mm)
<b>Application Data<sup>‡</sup></b>	Typical Filtrate Flux Range:	35 – 85 gfd (59 – 145 l/m <sup>2</sup> /h)
	Maximum Applied Feed Pressure:	73 psig (5 bar)
	Maximum Transmembrane Pressure:	20 psig (1.4 bar)
	Maximum Backwash Transmembrane Pressure:	20 psig (1.4 bar)
	Instantaneous Chlorine Tolerance:	100 ppm <sup>**</sup>
	Instantaneous Hydrogen Peroxide Tolerance:	200 ppm <sup>**</sup>
	Maximum Chlorine Exposure:	200,000 ppm-hrs
	Maximum Instantaneous Feed Turbidity:	100 NTU
	Maximum Operating Temperature:	104 °F (40 °C)
	pH Operating Range:	4.0 - 10.0
	Cleaning pH Range:	1.5 – 13.0
	Operating Mode:	Inside to Outside Filtration Direct flow or Crossflow

### Typical Process Conditions

Backwash Flux:	100 – 150 gfd (170 – 255 l/m <sup>2</sup> /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 <sub>2</sub> O <sub>2</sub> , ClO <sub>2</sub> or NH <sub>2</sub> Cl
Cleaning Chemicals:	HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH or Citric Acid



A, inches (mm)	B, inches (mm)	C, inches (mm)	Pipe connections	Weight, lbs. (kg) ave.
63 (1600)	66 1/8 (1680)	67 1/4 (1708)	2" Victaulic	97 (44)

### 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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