



Capillary Ultrafiltration Module

HYDRAcap60+

Performance ^T Filtrate Flow:	$14.7 - 35.7 \text{ gpm } (3.3 - 8.1 \text{ m}^3/\text{h})$
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Filtrate Turbidity: \leq 0.07 NTU Virus removal \geq 4 log Bacteria removal \geq 4 log

Type Configuration: Capillary Ultrafiltration Module

Membrane Polymer: Hydrophilic Polyethersulfone

MWCO, nominal 150,000 Daltons Nominal Membrane Area: 605 ft² (56 m²)

Fiber Dimensions: ID 0.031" (0.8 mm), OD 0.055" (1.4 mm)

Application Data[‡] Typical Filtrate Flux Range: 35 – 85 gfd (59 – 145 l/m²/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

Instantaneous Hydrogen Peroxide Tolerance: 200 ppm*

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

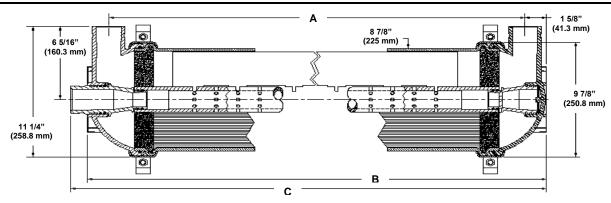
Direct flow or Crossflow

Typical Process Conditions

Backwash Flux: 100 – 150 gfd (170 – 255 l/m²/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, H₂O₂, ClO₂ or NH₂Cl Cleaning Chemicals: HCl, H₂SO₄, 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 Verification

** For 15 minutes or less

[†] Typical module performance for most feedwaters.

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

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[‡] 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.