



Capillary Ultrafiltration Module

HYDRAcap[®]40-LD

Performance[†] Filtrate Flow: 5 – 12.3 gpm (1.1 – 2.8 m³/h) Filtrate Turbidity: ≤ 0.07 NTU

Filtrate Turbidity: \leq 0.07 N' Virus removal \geq 4 log Bacteria removal \geq 4 log

Type Configuration: Capillary Ultrafiltration Module

Membrane Polymer: Hydrophilic Polyethersulfone Nominal Membrane Area: 208 ft² (19.3 m²)

Fiber Dimensions: ID 0.047" (1.2 mm), OD 0.08" (2.0 mm)

Pore size: 0.02 micron

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: 100,000 ppm-hrs
Maximum Instantaneous Feed Turbidity: 200 NTU
Maximum Operating Temperature: 104 °F (40 °C)

Maximum Operating Temperature:104 °F (40 °C)pH Operating Range:4.0 - 10.0Cleaning 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)

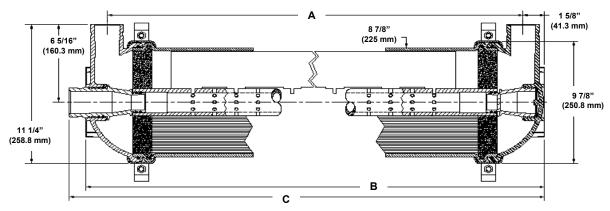
Backwash Duration: 30 – 60 seconds
Backwash Frequency: 20 – 60 minutes
Chemical Enhanced Backwash Frequency: 0 – 4 times per day

Chemical Enhanced Backwash Frequency: 0 – 4 times per day
Chemical Enhanced Backwash Duration: 1 – 30 minutes

Disinfection Chemicals:

NaOCI, H₂O₂, CIO₂ or NH₂CI
Cleaning Chemicals:

NaOH, HCI, H₂SO₄, or Citric Acid

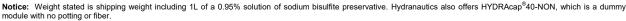


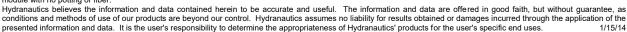
A, inches (mm)	B, inches (mm)	C, inches (mm)	Pipe connections	Weight, lbs. (kg) ave.
43 (1092)	46 1/8 (1172)	47 1/4 (1200)	2" Victaulic	63 (28)

Certifications:

NSF61, CDPH, and ETV-NSF Verification

[‡] 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.







At 68°F (20°C).

For 15 minutes or less

[†] Typical module performance for most feedwaters.