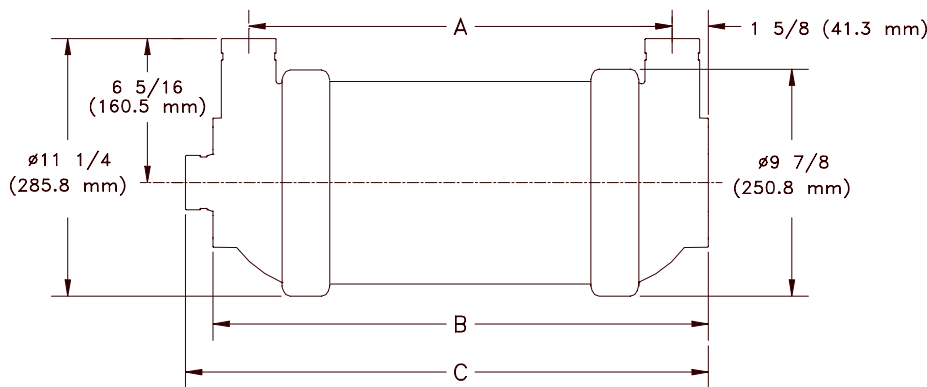


Membrane Element

HYDRAcap60-IND

Performance:	Filtrate Flow:	11 – 30 gpm (2.7 – 6.9 m ³ /h)
	Filtrate Turbidity:	<0.1 NTU*
	Particles > 2 µm removal	> 4 log
	Virus removal	> 4 log
	Bacteria removal	> 4 log
	TOC Reduction	0 – 50% [†]
Type	Configuration:	Self-Encapsulated Capillary Ultrafiltration module (Inside - out)
	Membrane Polymer:	Hydrophilic polyether sulfone
	MWCO, nominal	150,000 Daltons
	Nominal Membrane Area:	500 ft ² (46 m ²)
	Number of Fibers:	13,200
	Fiber Dimensions:	ID 0.031' (0.8 mm), OD 0.051' (1.3 mm)
Application Data	Typical Filtrate Flux Range:	35 – 85 gfd (59 – 145 l/m ² /h)
	Maximum Applied Feed Pressure:	73 psig (5 bar)
	Maximum Trans Membrane Pressure	30 psig (2 bar)
	Instantaneous Chlorine Tolerance:	100 ppm
	Instantaneous Hydrogen Peroxide Tolerance:	1000 ppm
	Maximum Feed Turbidity:	100 NTU
	Maximum Operating Temperature:	104 °F (40 °C)
	pH Range:	2.0 - 13.0
	Operating Mode	Direct flow or Cross-flow, Backwashable
Typical Process Conditions	Backwash Pressure:	35 psi (2.4bar)
	Backwash Flux:	175 – 200 gfd (298 – 340 l/m ² /h)
	Backwash Duration:	30 – 60 sec
	Chemical Enhanced Backwash Frequency:	min. 1 – 2 day ⁻¹ , max. every backwash
	Chemical Enhanced Backwash Duration:	1 – 10 minutes
	Disinfections Chemicals:	NaOCl or H ₂ O ₂ ‡
	Cleaning Chemicals	Citric Acid, NaOH/NaOCl or NaOH/ H ₂ O ₂



Certifications NSF 61, CADHS and ETV-NSF Verification

A, inches (mm)	B, inches (mm)	C, inches (mm)	Pipe connections	Dry Weight, lbs. (kg)
63 (1600)	66 $\frac{1}{8}$ " (1680)	67 $\frac{1}{4}$ " (1708)	2" Victaulic	64 (29.1)

* - Typically. Tested on feed Turbidities up to 50 NTU.

† - Typically 0-10%, but can be as high as 50% with pretreatment

‡ - Other standard membrane cleaning solutions are also acceptable. Please contact Hydranautics Customer Service.

Notice: Elements are preserved in a solution containing 0.95% sodium bisulfite solution and 10% propylene glycol. This adds ~20lbs (10kg) to the dry weight.

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