

# HYDRAPolish 8

High Rejection RO composite sanitary membrane designed specifically for dairy process applications requiring continuous operation at high pressure, high temperature, or periodic heat sanitization at high temperature including; whey concentration, whey UF permeate concentration, skim milk concentration, and RO permeate polishing.

HYDRAPolish 8 is USDA accepted. Components conform to FDA regulation CFR Title 21 and “3A Sanitary Standards for Crossflow Membrane Modules, Number 45-02”, EC Reg. No. 1935/2004, and EU Reg. No. 10/2011”.

## Products & Guidelines:

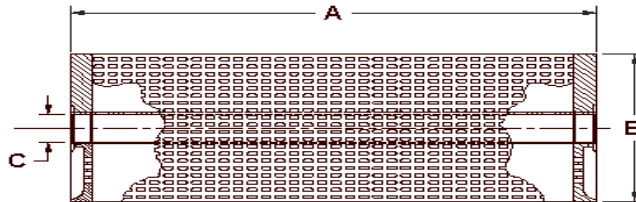
Model	Feed Spacer, inches (cm)	Area, ft <sup>2</sup> (m <sup>2</sup> )	Dimensions, inches. (cm)			Max. Feed Flow, GPM (m <sup>3</sup> /hr)	Max. Pressure Drop per Element, psi (MPa)
			A	B	C		
HYDRAPolish 8	0.030 (0.076)	360 (33)	40.0 (101.6)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.09)

<b>Type</b>	Configuration: Membrane Polymer:	Sanitary (Full-Fit) Spiral Wound Composite Polyamide
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<b>Application Data*</b>	Maximum Applied Pressure at 77°F (25°C),	1200 psig (8.3 MPa)
	Maximum Applied Pressure at Maximum Temperature,	450 psig (3.1 MPa)
	Maximum Operating Temperature,	158°F (70°C)
	Sanitizing Temperature/Pressure Max.,	185°F/25 psig (85°C/0.17 MPa)
	Maximum Chlorine Concentration, PPM	< 0.1
	Operating pH Range:	2.0 - 11.0
	Cleaning pH Range (@ max cleaning temp 122°F/50°C)	1.8 - 11.0
	Maximum Pressure Drop for a vessel, psig (MPa)	60 (0.41)

\* 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.

### 8040 Style with ATDs



**Notice:** Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box. 8040 styles include interconnector assembly, ATDs and brine seals. Hydranautics believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. Hydranautics assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of Hydranautics' products for the user's specific end uses.

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