

# HYDRACoRe70pHT Series

High flux, 720 Dalton MWCO thinfilm, chlorine-resistant nanofiltration membranes designed specifically for color removal as well as acid, caustic, and other chemical reclamation applications through the membrane's ability to reject color, proteins, fats, oils, and other macromolecular species.

## Products & Guidelines:

Model	Feed Spacer, inches (cm)	Area, ft <sup>2</sup> (m <sup>2</sup> )	Dimensions, inches. (cm)			Feed Flow, GPM (m <sup>3</sup> /hr)	Max. Pressure Drop per Element, psi (bar)
			A	B	C		
HYDRACoRe70pHT 4040-46	0.046 (0.12)	70 (6.4)	40.0 (102)	3.98 (10.1)	0.75 (1.9)OD	30 (6.8)	15 (1.0)
HYDRACoRe70pHT 8040-46	0.046 (0.12)	275 (25)	40.0 (102)	7.90 (20.1)	1.125 (2.9)ID	80 (18.2)	15 (1.0)

## Type

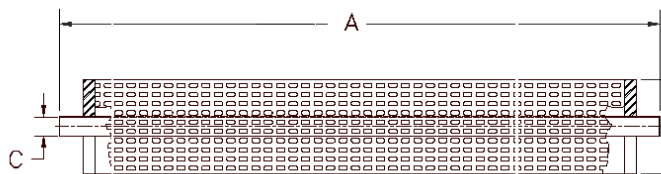
Configuration:  
Membrane Polymer:

Sanitary Spiral Wound  
Sulfonated Polyethersulfone

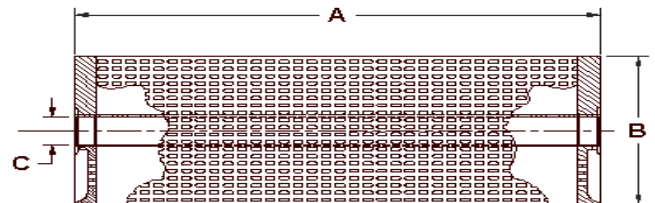
## Application Data

Maximum Applied Pressure:	600 psig ( bar)
Maximum Continuous Chlorine Concentration <sup>2</sup> :	10 PPM
Maximum Chlorine Concentration for Cleaning <sup>2</sup> :	100 PPM
Maximum Operating Temperature:	158°F (70 °C)
Operating pH Range:	1 - 13.5
Cleaning pH Range:	1 - 13.5
Maximum Pressure Drop for a vessel	60 psi (4 bar)

4040 Style



8040 Style with ATDs



1 HYDRACoRe70pHT is not intended for use in drinking water or direct food contact applications.

2 Transition metals (Fe, Mn) should not be present in the water or on the membrane as these can accelerate detrimental reactions between the membrane and the oxidant.

**Notice:** Elements include interconnector assembly, ATDs and brine seals. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium metabisulfite solution, and then packaged in a cardboard box. 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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