

HYDRACoRe50-PS

Hydranautics' HYDRACoRe50 product is a chemical and oxidant-resistant composite nanofiltration element which is designed to reject organic species with a nominal molecular weight of 1000 or greater. Applications include: color separations and adjustments in juices, sauces, and food extracts; dye concentration; protein and enzyme concentration.

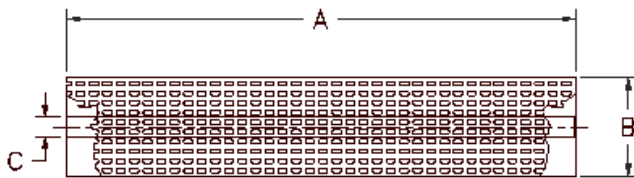
All products are USDA-accepted. Components conform to FDA regulation CFR Title 21, "3A Sanitary Standards for Crossflow Membrane Modules, Number 45-02", EC Reg. No. 1935/2004, and EU Reg. No. 10/2011.

General Product Description

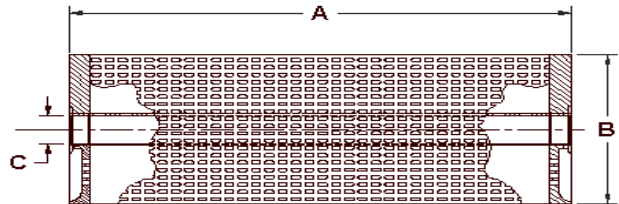
Configuration: Sanitary (Full-Fit)
 Outerwrap: Polypropylene net wrap
 Membrane Polymer: Sulfonated Polyethersulfone
 Molecular Weight Cut-off: 1000 daltons

Packaging: 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, anti-telescoping devices (ATDs), and brine seals.

Model	Feed Spacer, inches (cm)	Area, ft ² (m ²)	Dimensions, inches. (cm)			Max. Feed Flow, gpm (m ³ /hr)	Max. Pressure Drop per Element, psi (bar)
			A	B	C		
3838-30	0.030 (0.076)	80 (7.4)	38.0 (96.5)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
3838-46	0.046 (0.117)	63 (5.9)	38.0 (96.5)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
3838-65	0.065 (0.165)	50 (4.6)	38.0 (96.5)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
3840-30	0.030 (0.076)	80 (7.4)	38.75 (98.4)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
3840-46	0.046 (0.117)	63 (5.9)	38.75 (98.4)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
8038-30	0.030 (0.076)	385 (36)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8038-46	0.046 (0.117)	300 (28)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8038-65	0.065 (0.165)	230 (21)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8040-30	0.030 (0.076)	385 (36)	40.0 (101.6)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8040-46	0.046 (0.117)	300 (28)	40.0 (101.6)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8040-65	0.065 (0.165)	230 (21)	40.0 (101.6)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)



3838, 3840, 8038 Style



8040 Style with ATDs

Product Use and Restrictions[^]

Maximum Applied Pressure: 600 psig (41 bar)
 Maximum Continuous Chlorine Concentration¹: 10 ppm
 Maximum Chlorine Concentration for Cleaning¹: 100 ppm
 Maximum Operating Temperature: 122 °F (50 °C)
 Operating pH Range: 2.0 – 11.0
 Cleaning pH Range (ambient temperature): 1.0 – 12.0
 Cleaning pH Range (max. temp 122°F/50 °C): 1.5 – 11.0
 Maximum Pressure Drop for a vessel: 60 psi (4 bar)

¹ 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.

[^] The limitations shown here are for general use. For specified projects, operation at more conservative values may ensure the best performance and longest life of the membrane. See Hydranautics Technical Bulletins for more details.

Disclaimer: The information and data are presented in good faith and in lieu of all warranties. All express or implied warranties, including the warranties of merchantability and fitness for a particular purpose, are hereby disclaimed and excluded. 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. 4/24/2018

Hydranautics Corporate office

401 Jones Road, Oceanside, CA 92058, USA Toll Free: +1-800-CPA-PURE Tel: +1-760-901-2500 Fax: +1-760-901-2578
 Web: www.membranes.com Email: hy-info@nitto.com