

## Process Nanofiltration PN-pH50

PN-pH50 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; amino acid production; concentration of fish, meat and vegetable extracts for seasoning manufacturing and concentration of oligosaccharides.

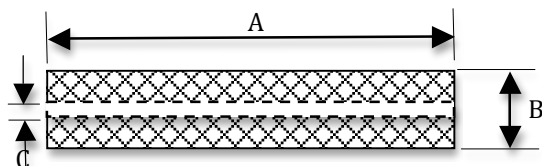
All Elements products are USDA-accepted. Components conform to FDA regulation CFR Title 21 and "3A Sanitary Standards for Cross flow Membrane Modules, Number 45-01, Section C". European Certification possible.

### Product & Guidelines:

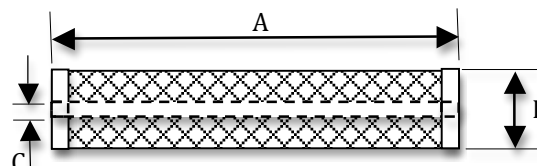
Sizes	Feed Spacer inches (cm)	Area ft <sup>2</sup> (m <sup>2</sup> )	Dimensions, inches (cm)			Feed Flow, GPM (m <sup>3</sup> /hr)	Max. Pressure Drop per Element, psi (bar)
			A	B	C		
3838-30	0.030 (0.076)	80 (7.4)	38.0 (96.5)	3.78 (9.6)	0.83 (2.11)	30 (6.8)	15 (1.0)
3838-46	0.046 (0.117)	60 (5.6)	38.0 (96.5)	3.78 (9.6)	0.83 (2.11)	30 (6.8)	15 (1.0)
3838-65	0.065 (0.165)	50 (4.5)	35.5 (90.5)	3.78 (9.6)	0.83 (2.11)	30 (6.8)	15 (1.0)
4040-30	0.030 (0.076)	85 (7.9)	40.0 (102)	3.98 (10.1)	0.75 (1.9) OD	30 (6.8)	15 (1.0)
4040-46	0.046 (0.117)	70 (6.4)	40.0 (102)	3.98 (10.1)	0.75 (1.9) OD	30 (6.8)	15 (1.0)
8038-30	0.030 (0.076)	360 (32)	38.0 (96.5)	7.9 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8038-46	0.046 (0.117)	280 (26)	38.0 (96.5)	7.9 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8038-65	0.065 (0.165)	215 (20)	38.0 (96.5)	7.9 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8040-30	0.030 (0.076)	360 (32)	40.0 (106)	7.9 (20.1)	1.125 (2.86)	80 (22.7)	13 (0.9)
8040-46	0.046 (0.117)	280 (26)	40.0 (106)	7.9 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
8040-65	0.065 (0.165)	215 (20)	40.0 (106)	7.9 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)

<b>Type</b>	Configuration: Outer wrap: Membrane Polymer: Molecular Weight Cut-off:	Sanitary (Full-Fit) Spiral Wound Polypropylene net wrap Sulfonated Polyethersulfone 1000 daltons
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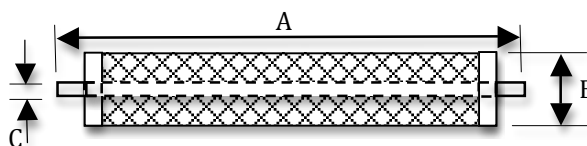
<b>Application Data</b>	Maximum Applied Pressure: Maximum Continuous Chlorine Concentration: Maximum Chlorine Concentration for Cleaning: Maximum Operating Temperature: Operating pH Range: Cleaning pH Range: Maximum Pressure Drop for a vessel:	600 psi (41 bar) 10 ppm 100 ppm 140 °F (60 °C) 2.0 – 11.0 1.0 – 12.0 60 psi (4 bar)
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3838, 3840, 8038



8040 (integrated ATDs)



4040 (integrated ATDs)

**Notice:** Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution and then packaged in a reinforced cardboard box. 8040 styles include interconnector assembly, ATDs and brine seals.

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