

Process Nanofiltration (PN) ESNA3J

Highly selective NF composite sanitary membranes designed specifically for separation of divalent anions and / or organic molecules greater than 200 Daltons from monovalent salts and lower molecular weight organics. Applications include: whey and milk concentration, de-salting (mineralizing) of whey and other streams, DP1 / DP2 sugar fractionation, and BOD / COD reduction applications where low pressure operation and high salt passage is desired.

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

Product & Guidelines:

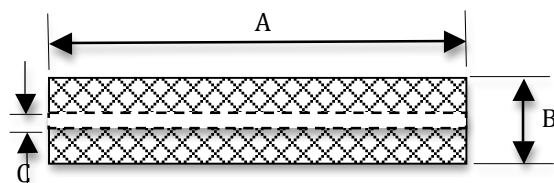
Sizes	Feed Spacer inches (cm)	Area ft ² (m ²)	Dimensions, inches (cm)			Max. Feed Flow, GPM (m ³ /hr)	Max. Pressure Drop per Element, psi (bar)
			A	B	C		
PN3838-30	0.030 (0.076)	80 (7.4)	38.0 (96.5)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
PN3838-46	0.046 (0.117)	60 (5.6)	38.0 (96.5)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
PN3840-30	0.030 (0.076)	80 (7.4)	38.75 (96.5)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
PN3840-46	0.046 (0.117)	60 (5.6)	38.75 (96.5)	3.78 (9.60)	0.83 (2.11)	30 (6.8)	15 (1.0)
PN4040-30	0.030 (0.076)	85 (7.9)	40 (102)	3.98 (10.1)	0.75 (1.9) OD	30 (6.8)	15 (1.0)
PN4040-46	0.046 (0.117)	70 (6.4)	40 (102)	3.98 (10.1)	0.75 (1.9) OD	30 (6.8)	15 (1.0)
PN8038-30	0.030 (0.076)	360 (32)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
PN8038-46	0.046 (0.117)	280 (26)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
PN8040-30	0.030 (0.076)	360 (32)	40.0 (106)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
PN8040-46	0.046 (0.117)	280 (26)	40.0 (106)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)

Type

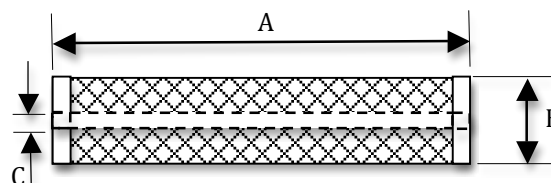
Configuration: Sanitary (Full-Fit)
 Outerwrap: Polypropylene net wrap
 Membrane Polymer: Composite Polyamide
 Molecular Weight Cut-off: 150 – 250 daltons

Application Data

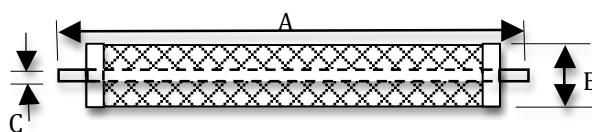
Maximum Applied Pressure: 600 psi (41 bar)
 Maximum Chlorine Concentration: < 0.1 ppm
 Maximum Operating Temperature: 122 °F (50 °C)
 Operating pH Range: 3.0 – 9.0
 Cleaning pH Range: 1 – 11.5
 Maximum Pressure Drop for a vessel: 60 psi (4 bar)



3838, 3840, 8038 style



8040 (integrated ATDs)



4040 (integrated ATDs)

Notice: Elements are vacuum-sealed in a 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.

Somicon 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. Somicon 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 Somicon's products for the user's specific end uses.