

DairyRO-HT

High Rejection RO composite sanitary membranes 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.

All DairyRO products are USDA accepted. Components conform to FDA regulation CFR Title 21, Part 177, "3A Sanitary Standards for Crossflow Membrane Modules, Number 45-03", EC Reg. No. 1935/2004, and EU Reg. No. 10/2011. Kosher certified. Halal certified.

Products & Guidelines:

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		
DairyRO 3838-30HT	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)
DairyRO 3838-46HT	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)
DairyRO 3840-30HT	0.030 (0.076)	80 (7.4)	38.75 (98.4)	3.78 (9.6)	0.83 (2.11)	30 (6.8)	15 (1.0)
DairyRO 8038-30HT	0.030 (0.076)	360 (33)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
DairyRO 8038-46HT	0.046 (0.117)	290 (27)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
DairyRO 8040-30HT	0.030 (0.076)	360 (33)	40.0 (102.0)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)

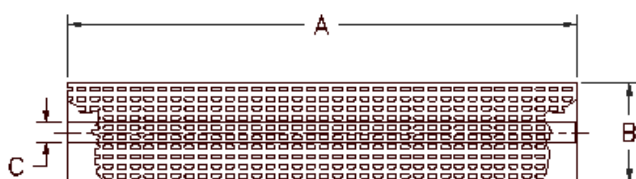
Type

Configuration:
Membrane Polymer:

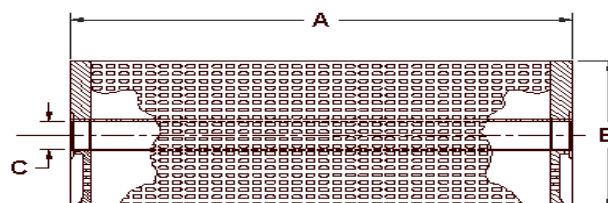
Sanitary (Full-Fit) Spiral Wound
Composite Polyamide

Application Data

Maximum Applied Pressure at 77 °F (25 °C), psig (MPa)	1200 (8.3)
Maximum Applied Pressure at Maximum Temperature, psig (MPa)	450 (3.1)
Maximum Operating Temperature, °F (°C)	158 (70)
Sanitizing Temperature/Pressure Max., °F/psig (°C/MPa)	185/25 (85/0.17)
Maximum Chlorine Concentration:	< 0.1 PPM
Operating pH Range:	2.0 - 11.0
Cleaning pH Range (at ambient cleaning temp 77°F/ 25°C)	1.5 - 11.5
Cleaning pH Range (at maximum cleaning temp 122°F/ 50°C)	1.8 - 11.0
Maximum Pressure Drop for a vessel	60 psi (4.1 bar)



3838, 3840, 8038 Style



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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