

DairyUF[®] 5K

High flux, high protein rejection 5,000 Dalton polyethersulfone ultrafiltration membranes designed specifically for the dairy, food and beverage markets. Applications include but are not limited to: whey protein concentration, enzyme purification, removal of hazes in beverages and more.

All DairyUF[®] 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".

Products & Guidelines:

Model	Feed Spacer, inches (cm)	Area, ft2 (m2)	Dimensions, inches. (cm)			Feed Flow, GPM (m3/hr)	Max. Pressure Drop per Element, psi (bar)
			A	B	C		
DairyUF 5K 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)
DairyUF 5K 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)
DairyUF 5K 4336-30	0.030 (0.076)	90 (8.4)	35.5 (90.2)	4.28 (10.9)	0.83 (2.11)	35 (7.9)	15 (1.0)
DairyUF 5K 4336-46	0.046 (0.117)	70 (6.5)	35.5 (90.2)	4.28 (10.9)	0.83 (2.11)	35 (7.9)	15 (1.0)
DairyUF 5K 6338-30	0.030 (0.076)	200 (19)	38.0 (96.5)	6.36 (16.2)	1.138 (2.89)	70 (15.8)	15 (1.0)
DairyUF 5K 6338-46	0.046 (0.117)	150 (14)	38.0 (96.5)	6.36 (16.2)	1.138 (2.89)	70 (15.8)	15 (1.0)
DairyUF 5K 8038-30	0.030 (0.076)	360 (33)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)
DairyUF 5K 8038-46	0.046 (0.117)	280 (26)	38.0 (96.5)	7.90 (20.1)	1.125 (2.86)	80 (18.2)	13 (0.9)

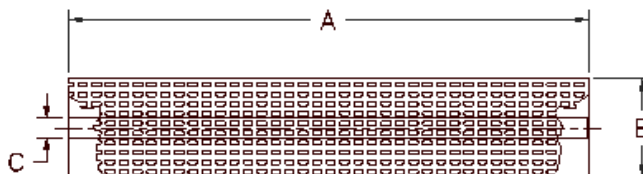
Type

Configuration:
Membrane Polymer:

Sanitary (Full-Fit) Spiral Wound
Polypropylene-backed Polyethersulfone

Application Data

Maximum Applied Pressure: 150 psig (10 bar)
Maximum Chlorine Concentration: 200 PPM @ pH>10.5
Maximum Operating Temperature: 131 °F (55 °C)
Operating pH Range: 2.0 - 10.0
Cleaning pH Range: 2.0 – 11.5
Maximum Pressure Drop for a vessel 60 psi (4 bar)



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. 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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