

PURAN

UF Membrane 8038



Description

Puran UF 8038 series membrane elements is mainly used for separation and concentration of specific material with molecular weight cut off (MWCO) at 4k, 6k, 8k, 10k, 20k, 67k Da. They apply the feed channel spacer of 31, 46 and 90mil, and is favorably equipped with the fiberglass housing or sanitary-grade housing.

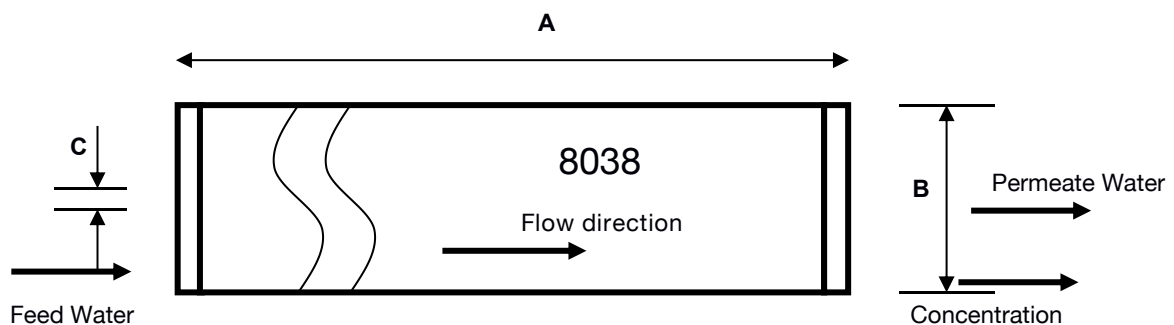
Features

- 3rd generation membrane sheet
- Sanitary
- Big MWCO range
- High permeate flow rate
- Stable performance with long life.

Typical Applications

- Separation and refinement of oligosaccharide, concentration of high strong fruit juice.
- Separation of peptide and amino acid, concentration and purification of antibiotics.
- Concentration of milk and whey protein.

Dimension



Sizes - inch (mm)

A	B	C
38(965)	8(200)	1.125(29)

Technical Parameters

Model	PNUF-8038-8K/1	
Specification	MWCO	8000Dalton
	Permeate flow	9500gpd(36m ³ /d)
Type	Configuration	Spiral wound
	Outer wrap	Cage
	Membrane area	400ft ² (37m ²)
Application limits	Maximum applied pressure	300psi (0.21MPa)
	Maximum chlorine concentration	0.1 ppm
	Maximum operating temperature	113 °F (45°C)
	Feedwater pH range continuous working	2.0 - 10.0
	Maximum feedwater turbidity	1.0 NTU
	Maximum feedwater SDI (15 mins)	5.0
	Maximum feed flow	85GPM (19.0m ³ /h)
	Maximum pressure drop for each element	13psi(0.09MPa)

* The limitations shown here are for general use. Operating at more conservative values for specific projects may ensure the best performance and longest life of the membrane.

Test Condition

The stated performance is for the initial data taken after 30 minutes of operation, based on the following test conditions:

- PEG8000 solution (1000mg/L)
- 60psi (4.1bar) applied pressure
- 77°F (25°C) operating temperature
- 7-8 pH range
- 15% permeate recovery

Note

Permeate flow for individual elements may vary +15% or -15%. Elements are enclosed in a sealed polyethylene bag and then packaged in a cardboard box.