PURAN®

Reverse Osmosis Membrane PNLE-8040-400

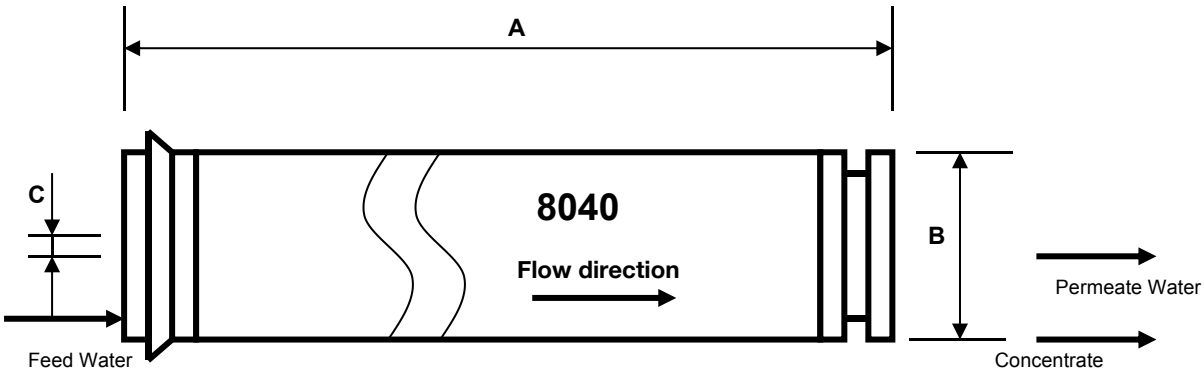
Description

Puran RO membrane elements are produced with LG sheets. It is used for the desalination of high salinity water and other similar water. It has high salt rejection rate, stable performance and high flow rate working at low pressure. It is used to produce pure water or ultra-pure water in fields of electronics, power, petrochemical, food, beverage and pharmacy.

Features

- LG membrane sheet
- High silica and hardness rejection
- High permeate flow rate
- Low operating pressure
- Stable performance with long life.

Dimension



Sizes – inch (mm)		
A	**B**	**C**
40(1016)	8(201)	1.125(29)

Technical Parameters

Model	PNLE-8040-400	
Specification	Salt rejection rate	99.2%
	Permeate flow	11000gpd(41.6m^3/d)
Type	Configuration	Spiral wound
	Membrane material	Composite Polyamide
	Membrane area	400ft^2 (37m^2)
Application limits	Maximum operation pressure	600psi (4.16MPa)
	Maximum chlorine concentration	0.1ppm
	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	85 GPM (19m^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:

- 500 ppm NaCl solution
- 150psi (10.5bar) applied pressure
- 77°F (25°C) operating temperature
- 6.5-8.5 pH range
- 15% permeate recovery

Note

Permeate flow for individual elements may vary +15% or -15%. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulphate solution and 10% propylene glycol, and then packaged in a cardboard box.