PURAN

Extreme Low Energy Reverse Osmosis Membrane

Description

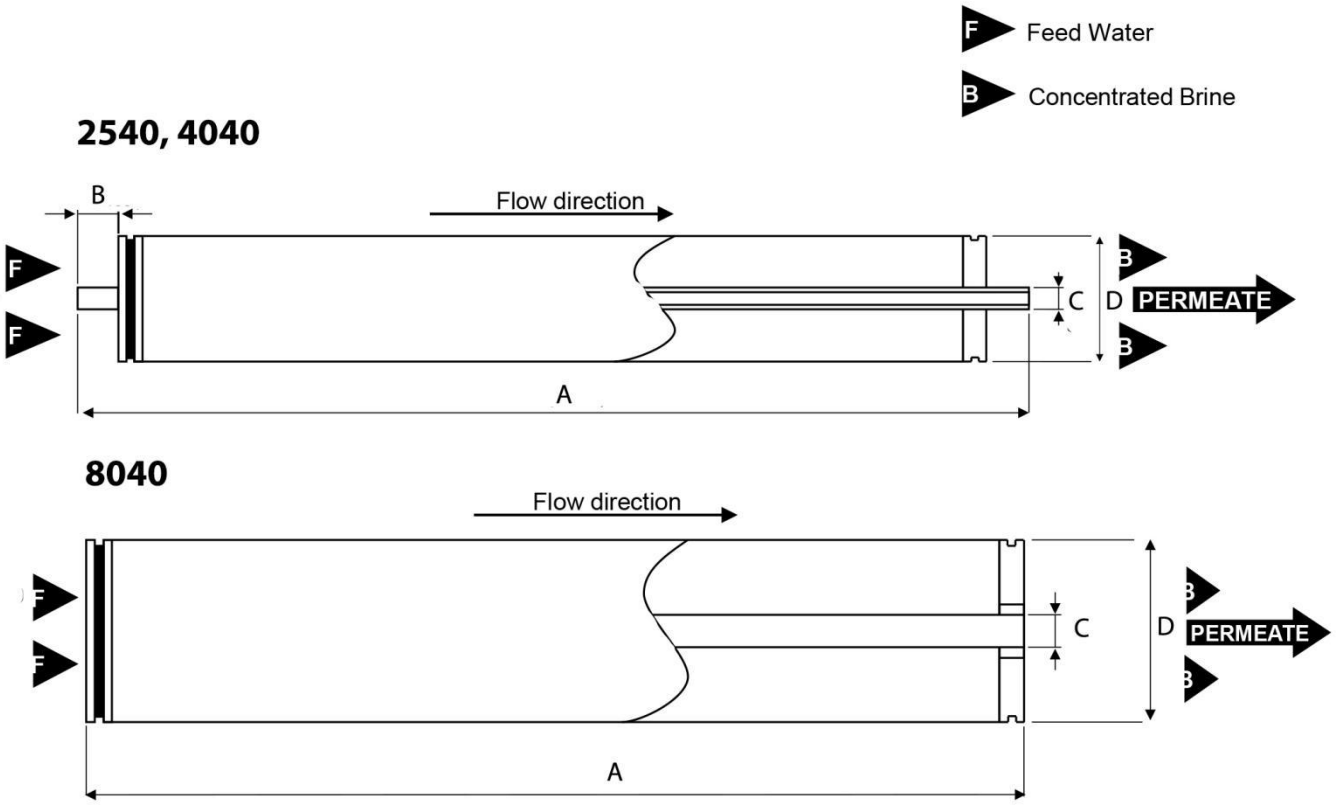
Puran low energy reverse osmosis membrane elements are produced with Japanese sheets. It is used for the desalination of salinity water and other similar water. It has high salt rejection rate, stable performance and high flow rate working at low pressure. It is used to produce pure water or ultra-pure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

Technical Parameters

Model	Diameter inch	Membrane Area ft^2 (m^2)	Salt Rejection Rate %	Product Flow Rate gpd (m^3/d)	Feed Spacer Thickness mil
PN XLE-4040	4”	85(7.9)	99.0	2200(8.3)	28
PN XLE-8040	8”	400(37)	99.0	10500(39.7)	28
PN XLE-8040-440	8”	440(41)	99.0	12300(46.8)	28

Type	Configuration	Spiral wound
	Membrane material	Composite Polyamide
Test Condition	Feed water pressure	110psi (0.76MPa)
	Feed water temperature	77°F (25°C)
	Feed water concentration	500 mg/l NaCl
	Recovery rate	15%
	Feed water pH	6.5-8.5
Application limits	Maximum chlorine concentration	0.1ppm
	Maximum operating temperature	113 °F (45°C)
	Feed water pH range continuous working	2.0 - 10.0
	Maximum feed water turbidity	1.0 NTU
	Maximum feed water SDI (15mins)	5.0
	Maximum pressure drop for each element	13psi(0.09MPa)

Dimensions



Sizes – inch (mm)

Model	A	B	C	D
PN XLE-4040	40(1016)	1.05(27)	0.75(19)	4(101)
PN XLE-8040	40(1016)	-	1.125(29)	8(201)
PN XLE-8040-440	40(1016)	-	1.125(29)	8(201)

Note

Permeate flow for individual elements may vary +25% or -25%. 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.

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