# **PURAN**



## **Low Fouling High Tolerance Reverse Osmosis Membrane**

### **Description**

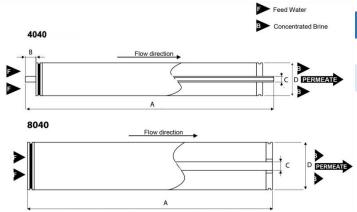
The Puran low fouling high tolerance reverse osmosis membrane elements are produced with high quality sheets. It is used for the desalination of waste water. It has high salt rejection rate, stable performance and high flow rate working at low pressure. It is used to purify waste water for water reuse or qualified municipal discharging in fields of electronics, power, petrochemical, food, beverage and pharmacy.

#### **Technical Parameters**

Model	Diameter inch	Membrane Area ft² (m²)	Salt Rejection Rate %	Product Flow Rate gpd (m³/d)	Feed Spacer Thickness mil
PN-FR-4040	4"	85(7.9)	99.6	1900(7.2)	34
PN-FR-8040	8"	400(37)	99.6	10500(39.7)	34

Type	Configuration	Spiral wound	
Туре	Membrane material	Composite Polyamide	
	Feed water pressure	225psi (1.55MPa)	
	Feed water temperature	77°F (25°C)	
Test Condition	Feed water concentration	2,000mg/l NaCl	
	Recovery rate	15%	
	Feed water pH	6.5-8.5	
	Maximum chlorine concentration	0.1ppm	
	Maximum operating temperature	113 °F (45°C)	
Application limits	Feed water pH range continuous working	2.0 - 10.0	
Application limits	Maximum feed water turbidity	1.0 NTU	
	Maximum feed water SDI (15mins)	5.0	
	Maximum pressure drop for each element	13psi(0.09MPa)	

#### **Dimensions**



#### Unit: inch(mm)

Size	Α	В	С	D
4040	40 (1016)	1.05 (27)	0.75 (19)	4 (101)
8040	40 (1016)	-	1.125 (29)	8 (201)

