

Low Fouling High Tolerance Reverse Osmosis Membrane

Description

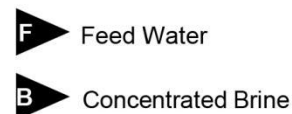
Puran low fouling high tolerance reverse osmosis membrane elements are produced with high quality sheets. It is used for the desalination of waste water. It has high salt rejection rate, stable performance and high flow rate working at low pressure. It is used to purify waste water for water reuse or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

Technical Parameters

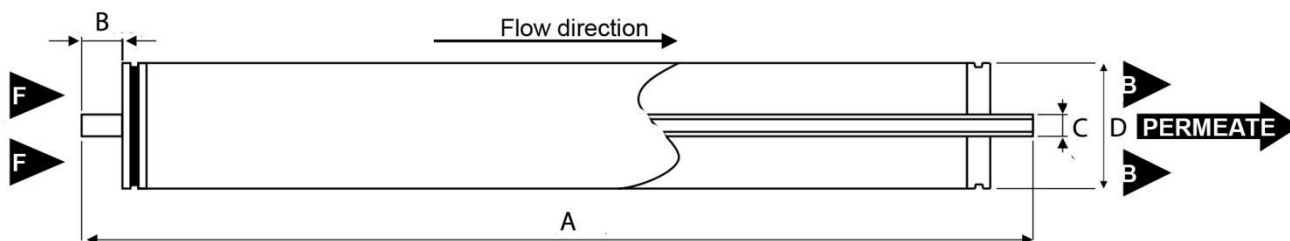
| Model | Diameter inch | Membrane Area ft ² (m ²) | Salt Rejection Rate % | Product Flow Rate gpd (m ³ /d) | Feed Spacer Thickness mil |
|---------------|------------------|--|-----------------------------|---|---------------------------------|
| PNFR-4040 | 4" | 85(7.9) | 99.6 | 1900(7.2) | 34 |
| PNFR-8040-400 | 8" | 400(37) | 99.6 | 10500(39.7) | 34 |

| | | |
|--------------------|--|---------------------|
| Type | Configuration | Spiral wound |
| | Membrane material | Composite Polyamide |
| Test Condition | Feed water pressure | 225psi (1.55MPa) |
| | Feed water temperature | 77°F (25°C) |
| | Feed water concentration | 2000 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 |
| | Feed water pH range chemical cleaning | 1.0 - 12.0 |
| | Maximum feed water turbidity | 1.0 NTU |
| | Maximum feed water SDI (15mins) | 5.0 |
| | Maximum pressure drop for each element | 13psi(0.09MPa) |

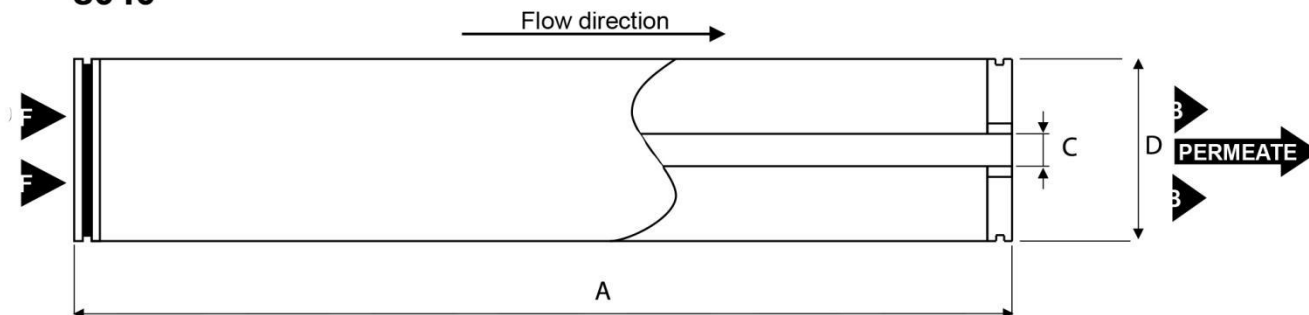
Dimensions



2540, 4040



8040



Sizes – inch (mm)

| Model | A | B | C | D |
|---------------|----------|----------|-----------|--------|
| PNFR-4040 | 40(1016) | 1.05(27) | 0.75(19) | 4(101) |
| PNFR-8040-400 | 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.