



**4040 Reverse Osmosis Membrane for Brackish/ Sea Water**

GlobalAqua™ 4” reverse osmosis element offers top service in brackish, service water, tap water, and sea water applications. It has stable performance, high flow rate and excellent salt rejection rate. GlobalAqua™ RO element has been generally used in small electronic industrial, boiler, beverage and other applications.

**SPECIFICATIONS**

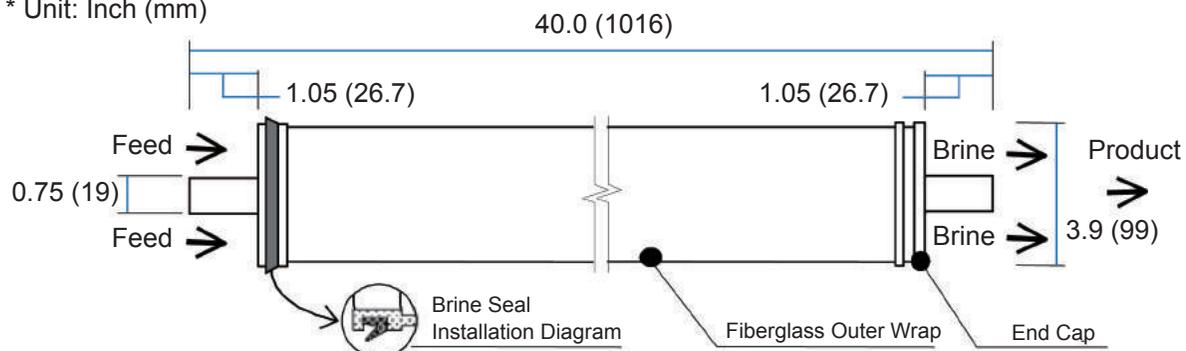
Model	Flow rate	Membrane area	Salt Rejection	Feed Spacer	Working Pressure
MBW-4040	2400 GPD	90 ft <sup>2</sup>	99.5%	28 mil	225 psi
MLP-4040	2500 GPD	90 ft <sup>2</sup>	99.0%	28 mil	150 psi
MLH-4040	2900 GPD	90 ft <sup>2</sup>	98.6%	28 mil	150 psi
XLP-4040	2100 GPD	90 ft <sup>2</sup>	99.0%	28 mil	100 psi
MSW-4040	1500 GPD	90 ft <sup>2</sup>	99.7%	28 mil	800 psi

1. MBW-4040, MLP-4040, MLH-4040 Testing Condition:  
25°C / 77°F, 2000 PPM NaCl, pH7.5 and 15% recovery rate
2. XLP-4040 Testing Condition:  
25°C / 77°F, 500 PPM NaCl, pH7.5 and 15% recovery rate
3. MSW-4040 Testing Condition:  
25°C / 77°F, 32800 PPM NaCl, pH7.5 and 8% recovery rate
4. Permeate flows for single element may vary ±15%.

**Operating Limit**

Membrane Type ..... Polyamide Thin-Film Composite  
 Max. Operating Temperature ..... 113°F / 45°C  
 MBW/ MLP/ MLH/ XLP Max. Operating Pressure ..... 600psi (41bar)  
 MSW Max. Operating Pressure ..... 1000psi (41bar)  
 Maximum Pressure Drop (single element) ..... 15psi (1.0bar)  
 pH range, Continuous Operation ..... 3 - 11  
 pH range, Short-Term Cleaning (30 min) ..... 1.5 - 12  
 Maximum Feed Silt Density Index (SDI) ..... 5  
 Free Chlorine Tolerance ..... < 0.1ppm

\* Unit: Inch (mm)



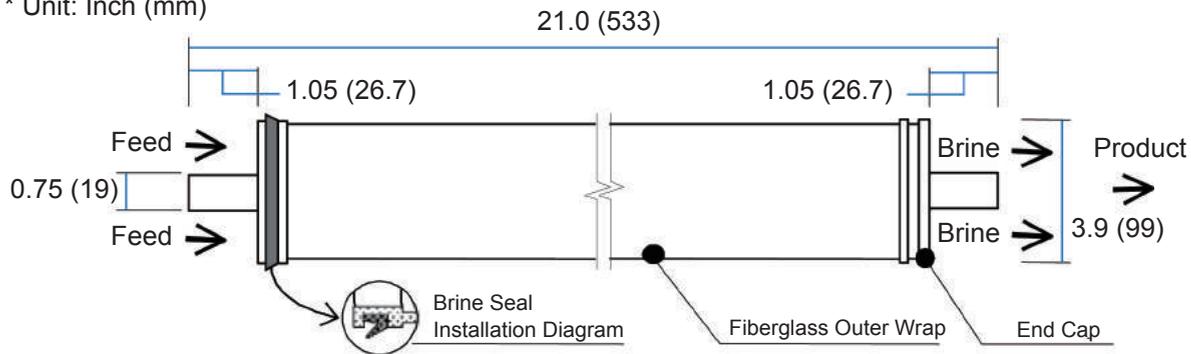
**4021 Reverse Osmosis Membrane for Brackish Water**

**SPECIFICATIONS**

Model	Flow rate	Membrane area	Salt Rejection	Feed Spacer	Working Pressure
MLP-4021	1050 GPD	36 ft <sup>2</sup>	99.0%	28 mil	150 psi

1. Testing Condition: 25°C / 77°F, 2000 PPM NaCl, pH7.5 and 15% recovery rate
2. Permeate flows for single element may vary ±15%
3. Maximum Operation Pressure; 600psi (41 bar)

\* Unit: Inch (mm)



**2521/2540 Reverse Osmosis Membrane for Brackish Water**

**SPECIFICATIONS**

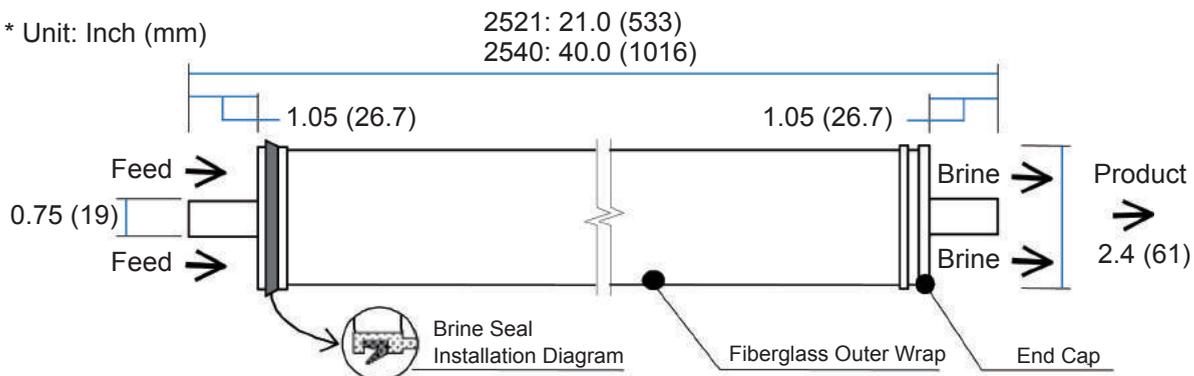
Model	Flow rate	Membrane area	Salt Rejection	Feed Spacer	Working Pressure
MLP-2521	310 GPD	11 ft <sup>2</sup>	99.0%	28 mil	150 psi
MLP-2540	750 GPD	27 ft <sup>2</sup>	99.0%	28 mil	150 psi

1. Testing Condition: 25°C, 2000 PPM NaCl, pH7.5 and 15% recovery rate
2. Permeate flows for single element may vary ±15%

**Operating Limit**

Membrane Type ..... Polyamide Thin-Film Composite  
 Max. Operating Temperature ..... 113°F / 45°C  
 Max. Operating Pressure ..... 600psi (41 bar)  
 Max. Pressure Drop (single element) ..... 15psi (1.0bar)  
 pH range, Continuous Operation ..... 3 - 11  
 pH range, Short-Term Cleaning (30 min) ..... 1.5 - 12  
 Maximum Feed Silt Density Index (SDI) ..... 5  
 Free Chlorine Tolerance ..... < 0.1ppm

\* Unit: Inch (mm)





### Important Operation Notice

- Every membrane units pack with a seal and a connector.
- Product water of the first hour of operation should be discarded.
- Avoid backpressure in any time.
- High SDI inlet water might cause frequently membrane wash. User may lower the operation pressure to adjust flow rate for each single element. With qualify inlet water, user may lower the concentrate water flow rate for better recovery rate. The minimum concentrate water flow rate and maximum recovery rate is depeneded on inlet water chemistry
- Chemical cleaning, including sterilization, disinfection and anti-scaling is needed when pressure difference is 1.5 times than initial.
- Not to use any chemical might damage the membrane. All damages due to inappropriate usage of the chemical is not covered by warranty.
- Maximum pressure drop across entire pressure vessel is 50 psi (3.4 bar)
- Due to different condition of use, GlobalAqua™ accept no responsibilities for the result obtained by the application of this information provided in each single page or the safety or suitability of GlobalAqua's products, either along or in combination with other products. Users are advised to test by their own to determine the safety and suitability of the product combination before using the product.
- Please contact your local distributors or technicians for more information about the using condition. Scalingor contaminating due to inappropriate usage is not covered by warranty.
- GlobalAqua™ remains the right of updating and releasing all related specification without further notice.

Please contact for more information