### Commercial Membrane Systems

**TL Series**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>TL 2000</th>
<th>TL 4000</th>
<th>TL 6000</th>
<th>TL 8000</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Size (w x d x h) in</td>
<td>20 x 22 x 54</td>
<td>20 x 22 x 54</td>
<td>20 x 22 x 54</td>
<td>20 x 22 x 54</td>
</tr>
<tr>
<td>System Size (w x d x h) cm</td>
<td>51 x 56 x 137</td>
<td>51 x 56 x 137</td>
<td>51 x 56 x 137</td>
<td>51 x 56 x 137</td>
</tr>
<tr>
<td>Membrane type</td>
<td>TF Low Energy</td>
<td>TF Low Energy</td>
<td>TF Low Energy</td>
<td>TF Low Energy</td>
</tr>
<tr>
<td>EverClean® Rinse</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Feed Pressure PSI/Bar</td>
<td>15 - 80 / 1 - 5.5</td>
<td>15 - 80 / 1 - 5.5</td>
<td>15 - 80 / 1 - 5.5</td>
<td>15 - 80 / 1 - 5.5</td>
</tr>
<tr>
<td>Operating Temperature (°F/°C)</td>
<td>35 - 90 / 1.6 - 32.2</td>
<td>35 - 90 / 1.6 - 32.2</td>
<td>35 - 90 / 1.6 - 32.2</td>
<td>35 - 90 / 1.6 - 32.2</td>
</tr>
<tr>
<td>Inlet Flow Rate (gpm/lpm)*</td>
<td>2.76 / 10.4</td>
<td>5.5 / 20.8</td>
<td>8.3 / 31.2</td>
<td>11 / 41.8</td>
</tr>
<tr>
<td>Permeate Flow Rate (gpm/lpm)*</td>
<td>1.38 / 5.2</td>
<td>2.75 / 10.4</td>
<td>4.2 / 15.8</td>
<td>5.5 / 20.8</td>
</tr>
<tr>
<td>Reject Flow Rate (gpm/lpm)*</td>
<td>1.38 / 5.2</td>
<td>2.75 / 10.4</td>
<td>4.2 / 15.8</td>
<td>5.5 / 20.8</td>
</tr>
<tr>
<td>Rejection Rate - CaCO₃/NaCl</td>
<td>96% / 98%</td>
<td>96% / 98%</td>
<td>96% / 98%</td>
<td>96% / 98%</td>
</tr>
<tr>
<td>Daily Production (gpd/lpd)*</td>
<td>2,000 / 7,572</td>
<td>4,000 / 15,144</td>
<td>6,000 / 22,717</td>
<td>8,000 / 30,289</td>
</tr>
<tr>
<td>TDS (Max) as NaCl mg/l</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
</tbody>
</table>

*Based on 77°F (25°C), 500 TDS feed, permeate to atmospheric tank, 50 psi (3.45 bar) inlet pressure.

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**Kinetico’s Worldwide Success**

Since 1970, Kinetico has been designing and manufacturing innovative water treatment systems that solve a variety of water problems. Kinetico continually develops and offers products to meet the diverse water treatment needs of people in more than 100 countries worldwide.

Kinetico Incorporated
www.kinetico.com
Kinetico understands your company’s water treatment needs. We deliver the quality you expect with a variety of standard features and a selection of options for your specific application.

Commercial Membrane Systems
The TL series of membrane systems are ideal when high quality water is needed, space is at a premium and you need to conserve water. Its compact design makes installation simple. Its unique submersible pump design allows for quiet, trouble-free operation.

Kinetico’s Patented EverClean Rinse
In systems with a raw water flush or no flush, dissolved solids travel through the membrane when the system is idle and appear in the product water upon startup. Accelerated membrane fouling also occurs, decreasing membrane life and increasing maintenance costs. Kinetico’s patented EverClean Rinse eliminates the potential for low quality start-up water and extends membrane life. The EverClean Rinse is standard on all TL Series systems.

Standard
Products range in size to provide up from 2,000 to 8,000 gallons per day (7,572 to 30,289 L/DP) of high quality permeate water. Prefilter improves feed water quality by removing solids. Pump-In-Tube Design reduces system size and provides quiet operation. EverClean® Rinse cleans the system’s membrane with high quality permeate water upon shutdown to protect water quality at start-up and prolong the membrane’s life. Panel-Mounted Glycerin-Filled Gages provide reliable pressure readings. Single Valve Feed Pressure Operation makes feed pressure adjustments quick and easy.

Languages

EverClea
Kinetico’s Patented EverClea Rinse

Uses

Pretreatment

Accessories

Storage and Repressurization Systems
Provide a constant supply and pressure of high quality permeate water. Standard Bladder Tank sizes available up to 80 gallons (300 litres). Atmospheric Tank sizes available up to 1,500 gallons (5,675 litres).

Use in such applications and markets as:

- Process Water
- Rinse Water
- Purified Drinking Water
- Lab Water
- Boiler Feed
- Grocery Stores
- Glaze Washing
- Car Washes
- Whole House Treatment
- Office Buildings
- Restaurants
- Schools and Universities
- Printer
- Hospitals
- Dental Offices
- Metal Finishing
- Humidification
- Ice Making
- Ice Skating Rinks
- Biomedical Applications
- Photography
- Pharmaceutical Production
- Cosmetics
- Animal Drinking Water
- Hatcheries - Aqua Culture
- Green Houses
- Metal Plating
- Battery Water
- Bottled Water

Features

- Extended Membrane Life
- Easily Expanded
- EverClean® Rinse
- Variable Recovery
- Compact Design
- High Permeate Output
- Digital Micro-Processor Controlled
- Quiet Operation

Use in such applications and markets as:

- Hospitals
- Dental Offices
- Metal Finishing
- Semi-conductor
- Humidification
- Ice Making
- Ice Skating Rinks
- Biomedical Applications
- Photography
- Pharmaceutical Production
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