The Culligan® M1 Series
REVERSE OSMOSIS SYSTEM

Effective water treatment that is easy to manage.

The M1 Reverse Osmosis System is a cost effective water treatment solution with enhanced features, which help reduce operating and post treatment costs. The M1 Reverse Osmosis system helps you reduce maintenance costs by reducing contaminants* from your water that affect taste and clog equipment. Control your installation costs by using a system configured for your unique needs. Keep your operating costs low with an easy-to-use electronic controller.

The M1 RO is part of the Culligan Matrix Solutions® that combine durable and efficient equipment, systems experience, and technical experts who understand your unique requirements. From planning your system to installing your water treatment equipment, Culligan Matrix Solutions offer options that help deliver the quality of water to meet your needs. Consult with a Culligan representative to create your solution.

CULLIGAN MATRIX SOLUTIONS ADVANTAGES:

- Simple System Integration
- Global Product Platform
- Flexible Configurations
- Quick Delivery/Easy Installation
- Culligan CP+ Controller

*Contaminants may not necessarily be in your water.

Markets Served:
- Agriculture
- Assisted Living
- Automotive
- Bio-Pharmaceutical
- Botanicals
- Bottled Water Plants
- Casinos
- Chemical Processing
- Commercial Buildings
- Dairies
- Educational Facilities
- Energy/Power/Cogeneration
- Electronics
- Government
- Grocery
- Food/Beverage
- Health Clubs
- Hotels/Lodging
- Hospitals/Healthcare
- Ink/Dye Production
- Laboratories
- Laundry
- Manufacturing
- Marine
- Military
- Multi-Unit Housing
- Municipalities
- Plating/Coating
- Printing
- Pulp/Paper
- Oil/Petroleum/Gas
- Textile
- Theme Parks
- Universities
- Vehicle Wash

MEMBRANE SOLUTIONS:

Culligan® Matrix Solutions®
# System Specifications

### Examples of RO Applications
- Ice Production/Drinking Water
- Steam Production
- Humidification
- Mistling
- Reclamation/Recycling
- Washing and Rinsing

### Standard Features
- Wall Mount Design
- Rotary Vane Pump
- Inlet Solenoid Valve
- Pretreatment Sediment Filter
- Concentrate and Recirculation
- Throttling Valves
- Pressure Indicators
- FRP Membrane Housings
- Rotameter style flow meters
- Culligan CP Control Panel
- Level Control Input
- Pretreatment Lockout
- Starnap Flush/Timed Flush
- Low Pressure Auto-Reset
- Indicator Lights

### Optional Features & Accessories
- Multi-Stage Pretreatment Filters
- Storage Tanks
- Level Controls
- Chemical Feed Pumps
- Ultraviolet Sterilization
- Pressurized Storage System
- Floor Stand
- Global Power Platform
- 220/50HZ
- Additional Customization
- Available on request
- Auto Shut Down on High Product TDS

---

## M1 Reverse Osmosis System

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Capacity* (gpm/lpm)</th>
<th>Module Qty &amp; Size</th>
<th>Nominal System Recovery (%)</th>
<th>Motor HP - KW</th>
<th>Dimension L x W x H (inches - millimeters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1-1S</td>
<td>0.17, 250</td>
<td>(1), 2.5&quot; x 21&quot;</td>
<td>25</td>
<td>1/3</td>
<td>37 x 10 x 37.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.25</td>
<td>940 x 254 x 959</td>
</tr>
<tr>
<td>M1-2S</td>
<td>0.35, 500</td>
<td>(2), 2.5&quot; x 21&quot;</td>
<td>50</td>
<td>1/3</td>
<td>37 x 10 x 37.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.25</td>
<td>940 x 254 x 959</td>
</tr>
<tr>
<td>M1-3S</td>
<td>1.31, 688</td>
<td>(3), 2.5&quot; x 21&quot;</td>
<td>50</td>
<td>1/3</td>
<td>37 x 10 x 37.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.25</td>
<td>940 x 254 x 959</td>
</tr>
<tr>
<td>M1-4S</td>
<td>0.52, 250</td>
<td>(4), 2.5&quot; x 21&quot;</td>
<td>50</td>
<td>1/3</td>
<td>37 x 10 x 37.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.25</td>
<td>940 x 254 x 959</td>
</tr>
<tr>
<td>M1-2L</td>
<td>0.83, 1200</td>
<td>(2), 2.5&quot; x 40&quot;</td>
<td>50</td>
<td>3/4</td>
<td>37 x 10 x 46.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.56</td>
<td>940 x 254 x 1175</td>
</tr>
<tr>
<td>M1-3L</td>
<td>1.18, 1200</td>
<td>(3), 2.5&quot; x 40&quot;</td>
<td>50</td>
<td>3/4</td>
<td>37 x 10 x 46.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.56</td>
<td>940 x 254 x 1175</td>
</tr>
<tr>
<td>M1-4L</td>
<td>1.53, 2000</td>
<td>(4), 2.5&quot; x 40&quot;</td>
<td>50</td>
<td>3/4</td>
<td>37 x 10 x 46.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.56</td>
<td>940 x 254 x 1175</td>
</tr>
<tr>
<td>M1-3F</td>
<td>1.35, 2000</td>
<td>(1), 4 x 40</td>
<td>25</td>
<td>3/4</td>
<td>37 x 10 x 46.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.56</td>
<td>940 x 254 x 159</td>
</tr>
<tr>
<td>M1-2F</td>
<td>2.28, 4000</td>
<td>(2), 4 x 40</td>
<td>50</td>
<td>3/4</td>
<td>37 x 10 x 46.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.56</td>
<td>940 x 254 x 159</td>
</tr>
</tbody>
</table>

*Nominal capacity based on new RO membranes operating on a properly pretreated feed water of 500 ppm TDS as NaCl, 77 °F (25 °C), Silt Density Index (SDI) below 3, and supplying water to atmosphere. Productivity will vary depending on the actual feed water quality and temperature.

---

For over 75 years, Culligan has made better water. Our global network, comprised of 800+ dealers and international licensees in over 90 countries, is dedicated to addressing your water-related problems. As a worldwide leader in water treatment, our sales representatives and service technicians are familiar with the local water conditions in your area. Being global and local position us to deliver customized solutions to commercial and industrial water issues that affect your business and your bottom line.

All trademarks used herein are registered trademarks of Culligan International Company. Products manufactured or marketed by Culligan and its affiliates are protected by patents issued or pending in the United States and other countries. Culligan reserves the right to change the specifications referred to in this literature at any time, without prior notice.

©2014 Culligan International Company Part No. 34925