The Culligan® Top Mount Series
WATER SOFTENER SYSTEM

The Culligan® Top Mount (CTM) Series softener models use the latest control valve technology to offer superior flow rates and long-lasting performance for commercial and industrial applications. The top-mounted control minimizes the system’s footprint and is constructed of a corrosion-resistant, heavy duty plastic tested in extreme operating conditions to service all types of problem water (high chloramines, heavy iron, etc.). The CTM valve and system also carry certification for testing and passing the highest drinking water standards. The CTM includes integrated vacuum breakers and pressure relief valves to protect the system in addition to possessing an integrated flow meter for highly accurate reporting. Each CTM operates with a Culligan® Smart Controller which provides users access to the Culligan® technology platform of intercommunicating systems, remote monitoring and water and energy saving accessories.

The CTM Softener Series forms part of the Culligan® Commercial and Industrial product portfolio that has been offering durable, high-quality equipment to the world for over 80 years. For those customers who need a more customized solution Culligan’s application engineering and project management team will provide professional, technical expertise through the initial project scope to the expedited delivery and start-up process. Our expansive dealership network will provide aftermarket support and technical expertise and trusted service to users in every market. Contact Culligan® today to learn more about the CTM and other water treatment products.

CULLIGAN® ADVANTAGES:
• Global Product Platform with Flexible Modular Configurations
• Simple Integration into Existing Systems
• Quick Delivery & Installation
• Exclusive Culligan Features
  - Universal Electronic Controller
  - Aqua-Sensor®, Progressive Flow and Other Operational Cost-Saving Technology
  - Remote Monitoring Capabilities with Multiple Alarm Recognitions
  - Cloud Storage for Historical Data
  - U.S. Standard and Metric Readings with Multiple Interface Languages for Programming Interface

Markets Served:
Clinics
Educational Facilities
Energy / Power
Food / Beverage Production
Food Service / Restaurants
Grocery
Healthcare / Hospitals / Bio-Pharmaceutical
Hospitality / Lodging
Manufacturing
Municipal Drinking Water
Oil / Gas
### Warranty
Culligan's CTM Water Softeners are backed by a limited 2-year warranty against defects in material, workmanship and corrosion. In addition, softern tanks are warranted for a period of 5 years.†

† See printed warranty for details. Culligan® will provide a 2-year warranty against defects in material, workmanship and corrosion. In addition, softener tanks are warranted for a period of 5 years.†

### System Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>US</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Pressure (Dynamic)</td>
<td>35–125 psig</td>
<td>240–860 kPa</td>
</tr>
<tr>
<td>Power Voltage Frequency</td>
<td>120/240 Volt 60/50Hz</td>
<td>120/240 Volt 60/50Hz</td>
</tr>
<tr>
<td>Water Temperature</td>
<td>40–120°F</td>
<td>4-49°C</td>
</tr>
<tr>
<td>Vacuum</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Subsidy</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Chlorine</td>
<td>5 NTU, max.</td>
<td>5 NTU, max.</td>
</tr>
<tr>
<td>Iron</td>
<td>5 mg/L, max.</td>
<td>5 mg/L, max.</td>
</tr>
</tbody>
</table>

### Standard Features
- Single or Multiple tank Configurations available for hardness removal capacities up to 450,000 grains per tank.
- Continuous flow rates up to 76 gpm per tank. Peak flow rates up to 104 gpm per tank.
- Corrosion-resistant control valve body certified to drinking water applications
- Integrated flow meter, vacuum breaker and pressure relief valve.
- Downflow and upflow (Counter-current) regeneration-type controllers available with your choice of initiation (time clock, meter or Aqua-Sensor® inputs)*
- Telemetric data capabilities with remote monitoring

### Optional Features & Accessories
- 1.5” or 2” Flow adapters are available to provide every CTM unit the flexibility to use different inlet pipe sizes with minimal impact to flow rates.
- Patented Progressive Flow –Culligan’s Smart Controller can monitor flow demands bringing additional softening tanks on-line or offline as flows increase or decrease
- Brine Redaim – reduces operating costs by recycling and making efficient use of brine during regeneration.
- Aqua-Sensor® Control – initiates regeneration only when needed based upon water hardness, automatically adjusts to changes in raw water hardness and water consumptions

### Examples of Softener Applications
- Food and Beverage—Improved taste
- Educational Facilities—Boiler and cooling tower make-up water for scale reduction and improved energy costs
- Restaurants—For dishwashing, cleaning material savings, scale reduction
- RO / DI Pretreatment
- Car washes—Quality results, detergent and water heating savings, scale reduction
- Apartment buildings, assisted living facilities and hotels—Quality water for laundry, dishwashers, boilers
- Grocery / Retail—Quality water for aesthetics and help extend equipment life
- Integrated flow meter, vacuum breaker and pressure relief valve.
- Downflow and upflow (Counter-current) regeneration-type controllers available with your choice of initiation (time clock, meter or Aqua-Sensor® inputs)*
- Telemetric data capabilities with remote monitoring
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### System Specifications

<table>
<thead>
<tr>
<th>CTM Family Group</th>
<th>Media Qty.</th>
<th>Pipe Size**</th>
<th>Service Flow Rates</th>
<th>Tank Size***</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(ft³ / liters)</td>
<td>(in / mm)</td>
<td>gpm @ 15 psi drop</td>
<td>gpm @ 25 psi drop</td>
</tr>
<tr>
<td>CTM-60</td>
<td>2</td>
<td>1.5” &amp; 2”</td>
<td>51</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>1.5” &amp; 2”</td>
<td>57</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>1.5” &amp; 2”</td>
<td>90</td>
<td>108</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>1.5” &amp; 2”</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>1.5” &amp; 2”</td>
<td>180</td>
<td>225</td>
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<tr>
<td></td>
<td>15</td>
<td>1.5” &amp; 2”</td>
<td>250</td>
<td>312</td>
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<tr>
<td>CTM-300</td>
<td>10</td>
<td>1.5” &amp; 2”</td>
<td>105</td>
<td>132</td>
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<tr>
<td></td>
<td>15</td>
<td>1.5” &amp; 2”</td>
<td>140</td>
<td>178</td>
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<td></td>
<td>20</td>
<td>1.5” &amp; 2”</td>
<td>180</td>
<td>224</td>
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<td>CTM-450</td>
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<td>1.5” &amp; 2”</td>
<td>288</td>
<td>366</td>
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<tr>
<td></td>
<td>20</td>
<td>1.5” &amp; 2”</td>
<td>372</td>
<td>471</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>1.5” &amp; 2”</td>
<td>456</td>
<td>576</td>
</tr>
</tbody>
</table>

* Each Family Group includes the following control type options:
- Timeclock-only units
- Downflow & upflow with hard water or no hard water bypass
- Multi-tank with no hard water bypass

** Flow rates shown are per tank using a 2” flow adapter. Flow rates may be slightly lower when using the 1.5” flow adapter. Low flow channelling (flow rates less than 0.5 gpm per cubic foot of resin) may cause hardness leakage into effluent.

*** Dimensions are diameter by tank height

**** Brine Systems are optional. Size shown is size most commonly selected

For 80 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.

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