The Culligan® High Efficiency (HE) Series
WATER SOFTENER SYSTEM
Reduce Operating Costs and Improve Efficiency with a Smart Choice

The High Efficiency (HE) softener with patented technology delivers improved efficiency to reduce operating costs. The HE softener reduces hard water contaminants*, reducing scale build-up that affect equipment performance. With the Culligan® Smart Controller, available on the HE, the softener adjusts to influent water conditions and regenerates based on need. Customers can also monitor their water treatment system performance, consumable usage, and maintenance needs, at a single site or across multiple ones 24 hours a day.

The HE softener is part of the Culligan® Commercial and Industrial 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® Commercial and Industrial Solutions offer options that help deliver the quality of water to meet your needs. Contact Culligan® today to learn more about the HE softener system.

**CULLIGAN® COMMERCIAL & INDUSTRIAL ADVANTAGES:**

- Simple System Integration
- Global Product Platform
- Flexible Configurations
- Quick Delivery / Easy Installation
- Exclusive Culligan Advanced Electronics
  - Historical Operating Data
  - Alarm Recognitions
  - US Standard and Metric Readings
  - Remote Monitoring Options
  - Telemetry Options

*Contaminants may not necessarily be in your water*

**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

**PRE-TREATMENT SOLUTIONS**
**System Specifications**

**Specification** | **US** | **Metric**
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Pipe Size, All Units | 1.5" | 38.1 mm

**Maximum Operating Pressure** | 20–125 psig | 135–860 kPa

**Power Consumption** | 22 Watts |

**Vacuum** | None |

**Turbidity** | 5 NTU, max. |

**Chlorine** | 1 mg/L, max. |

**Iron** | 5 mg/L |

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**Examples of Softener Applications**
- RO / DI Pretreatment
- Apartment buildings, assisted living facilities and hotels — Quality water for laundry, dishwashers, boilers
- Office buildings — For heating plant pretreatment, tenant convenience, general housekeeping
- Restaurants — For dishwashing, cleaning material savings, scale reduction
- Car washes — Quality results, detergent and water heating savings, scale reduction
- Grocer/ Retail — Quality water for aesthetics and help extend equipment life
- Telemetric Capability
- Corrosion Resistant Positive Motor-Driven Regeneration Valve — Motor driven piston is reliable under server water conditions, resists dirt, iron and turbidity
- Corrosion Resistant Tanks — Made from fiberglass reinforced polyester
- Under-drain design enhances softening capacity and reduces pressure loss
- Multi-Poppet Design — Allows for easy service and increases durability and valve life
- Flow Meter
- Patented Aqua-Sensor® Control — Initiates regeneration only when needed based upon water hardness. Automatically adjusts to changes in raw water hardness and water consumption
- Light industry — For process and make-up water, boiler and cooling system pretreatment, general housekeeping
- Electronic By-Pass - The softener can be by-passed electronically either from the unit or from the remote monitor and automatically goes back into service after a pre-set time.
- Internally blocked Progressive Flow Systems
- Tested and certified by WQA against NSF/ANSI 572, CSA B483.1 and NSF/ANSI Standard 61 for material requirements
- The Control Enclosure complies with UL 50/50E and UL 746C standards for a NEMA 3R Enclosure Rating

**Optional Features & Accessories**
- Dubl-Safe™ Brine System for softeners — Positive overfill protection Automatic refill control is backed up by shutoff float valve to reduce chance of overflow
- Smart Brine Tank Probe - monitors salt usage and communicates how much salt is left.
- Skid Mounted System
- Remote Display
- RS232, RS485, Modbus PLC Output
- Under-drain design enhances softening
- Corrosion Resistant Tanks — Made from fiberglass reinforced polyester
- General telemetric capability
- Patented Aqua-Sensor® Control – Initiates regeneration only when needed based upon water hardness. Automatically adjusts to changes in raw water hardness and water consumption
- Positive overfill protection Automatic refill control is backed up by shutoff float valve to reduce chance of overflow
- Multi-Poppet Design — Allows for easy service and increases durability and valve life

**HE Water Softener System**

<table>
<thead>
<tr>
<th>Model</th>
<th>Resin Qty. (HvL)</th>
<th>Flow Rates (gpm/lpm)</th>
<th>Tank Size*** (in/mm)</th>
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<tbody>
<tr>
<td><strong>Upflow</strong></td>
<td><strong>Downflow</strong></td>
<td><strong>Progressive Flow</strong></td>
<td>Continuous*</td>
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<tr>
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<td>HE-060</td>
<td>HE 1.5 PF 060</td>
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<td>106.0</td>
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For over 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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