



#### Markets Served:

Clinics  
Educational Facilities  
Energy / Power  
Food / Beverage Production  
Food Service / Restaurants  
Grocery / Retail  
Healthcare / Hospitals / Bio-Pharmaceutical  
Hospitality / Lodging  
Manufacturing  
Municipal Drinking Water  
Oil / Gas  
Apartment / Office Buildings  
Car Washes  
Light Industry

## The Culligan® High Efficiency (HE) Series 1.25" 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 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 1.25" softener is part of the Culligan® Commercial & 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® 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® 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
- National Network of Local Water Experts



\*Contaminants may not necessarily be in your water.



**PRE-TREATMENT SOLUTIONS.**

# SYSTEM SPECIFICATIONS

## Warranty

Culligan's HE 1.25" water softeners are backed by a limited 1-year warranty against defects, materials, workmanship, and corrosion. The Quadra-Hull® media tank has limited lifetime warranty. See printed warranty for details.†

Some localities have corrosive water. A softener cannot correct this condition, so its printed warranty disclaims liability for corrosion of plumbing lines, fixtures, or water-using equipment. If you suspect corrosion, your independently operated Culligan® dealer has equipment to help control the problem.

† See printed warranty for details. Culligan® will provide a copy of the warranty upon request.

## System Specifications

Specification	US	Metric
Pipe Size, All Units	1.25"	
Maximum Operating Pressure	20–125 psig	135–860 kPa
Power Voltage Frequency Phase	24 50/60 Hz¹	
Feed Water Temperature	33–120° F	0–48° C
Power Consumption	8.4/21.6 Watts	
Vacuum	None²	
Turbidity	5 NTU, max.³	
Chlorine	1 mg/L, max.³	
Iron	5 mg/L	

1 120 Volt/24 Volt CUL/UL listed Transformer Included.  
2 Tank warranty is void if subject to vacuum.  
3 See media specification for details.

## 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
- Grocery / Retail — Quality water for aesthetics and help extend equipment life
- Light industry — For process and make-up water, boiler and cooling system pretreatment, general housekeeping

## Standard Features

- Downflow, Upflow or Progressive Flow configurations are available
- Culligan's Smart Controller — More control over your equipment with programming and monitoring capabilities typically found in more expensive PLC controls a variety of add-on options for advanced instrumentation and communication let you easily customize the system to help meet your needs
- Built-in Soft-Minder® flow meter
- Telemetric Capability
- Corrosion Resistant Positive Motor-Driven Regeneration Valve — Motor driven piston is reliable under server water conditions, resists dirt, iron and turbidity
- High-impact Quadra-Hull® Tank stands up to outdoor use with a four-layer design that resists UV rays, rust and corrosion with limited lifetime warranty
- Under-drain design enhances softening capacity and reduces pressure loss
- Multi-Poppet Design — Allows for easy service and increases durability and valve life
- 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.
- Tested and certified by WQA against NSF/ANSI 44, 61 & 372 Material Safety Standards and CSA B483.1 requirements
- The Control Enclosures are available that complies with UL 50/50E and UL 746C standards for a NEMA 3R Enclosure Rating
- Long-lasting brine tank and Dubl-Safe™ brine refill control assure proper operation

## Optional Features & Accessories

- Proportional brining allows your softener to only regenerate that part of the resin bed that has been exhausted, which reduces salt usage
- Culligan's patented Aqua-Sensor® technology automatically adjusts to changes in water conditions so the softener only regenerates when needed, saving salt, water and money
- Remote display makes it possible to control and monitor the softener from another part of the building
- Cell modems can put your Culligan® dealership on notice of the softener needs servicing
- Skid-mounted systems available
- Configurable for RS232, RS485, Modbus PLC Output, BACnet and Profibus

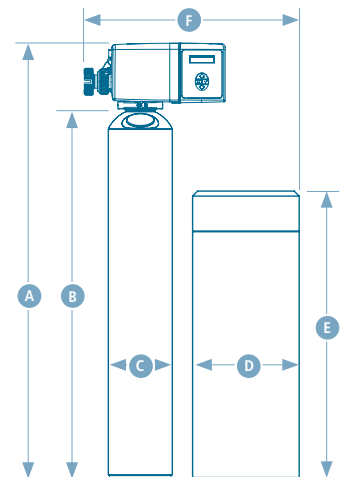
## HE 1.25" Water Softener System

Model	Resin Quantity (ft³/L)	Continuous Flow Rate (gpm/lpm) @15 psi drop*	System Dimensions** (in/mm)					
			A	B	C	D	E	F
10"	1.5	14.9	63	54	10	18" 375lb Brine Tank	43	40
	42.5	56.4	1,600	1,372	254	457mm - 170kg Brine Tank	1,092	1,016
12"	2.0	18.4	61	52	12	18" 375lb Brine Tank	43	42
	56.6	69.6	1,549	1,321	305	457mm - 170kg Brine Tank	1,092	1,067
14"	3.0	20.4	73	65	14	24" 600lb Brine Tank	40	47
	85	77.2	1,854	1,651	356	610mm - 272kg Brine Tank	1,016	1,194
16"	4.0	22.0	73	65	16"	24" 600lb Brine Tank	40	49
	113	83.2	1,854	1,651	406	610mm - 272kg Brine Tank	1,016	1,245

\*Flow rate are shown per tank.

\*\*Approximate dimension for all models from the wall to front of controller is 20".

Low flow channeling (flow rates less than 0.5 gallons per minute per cubic foot of resin) may cause hardness leakage into effluent.



**Culligan**

www.culligan.com • 866-787-4293

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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