



# CES-9100TS E-30C SERIES TWIN TANK, TWIN SENSOR WATER SOFTENER

The Smart, Proactive Choice to Protect Commercial Equipment



## APPLICATIONS

- ◆ Warewashing
- ◆ Ice Making
- ◆ Iced Tea Brewing
- ◆ In-house Laundry  
- Linen & Uniform
- ◆ General Housekeeping
- ◆ Water Heater Scale Reduction
- ◆ Reverse Osmosis Pretreatment

## TARGET MARKETS

- ◆ Foodservice
- ◆ Hospitality
- ◆ Grocery
- ◆ Retail

## BENEFITS

- ◆ Proactive protection for your valuable equipment investments
- ◆ Provides continuous supply of soft water
- ◆ Maximizes operational efficiency, optimizes salt use
- ◆ Alerts indicating system is unplugged or salt is low\*

\*When paired with the Pentair® Everpure® Conserv HE-3 Reverse Osmosis System

# PENTAIR<sup>®</sup> EVERPURE<sup>®</sup> CES-9100TS E-30C TWIN TANK, TWIN SENSOR WATER SOFTENER

EV9980-65

## FEATURES

- ◆ **Twin sensor** constantly adjusts to changing water conditions
- ◆ **Twin tank design** ensures soft water is being fed to equipment 24/7, even when one tank regenerates or needs salt replacement
- ◆ **Upflow brining** provides up to 10% more efficient regeneration
- ◆ **NSF certified** to Standard 44 for performance and efficiency
- ◆ **Easy to program** and easy to train service technicians
- ◆ **Hardness removal** of up to 35,000 grains per tank
- ◆ **Flow rates** of up to 8 gallons per minute continuous flow @ 15 psi differential pressure (dp)
- ◆ **Indicator light** for low salt level
- ◆ **Corrosion resistant** with fiberglass reinforced resin vessels
- ◆ **Remote monitoring technology** automatically alerts you when the softener is unplugged or the salt is low when connected to the Everpure Conserv HE-3 High Efficiency Reverse Osmosis System

## DETAILS

- ◆ Designed to fit a variety of commercial and foodservice footprints
- ◆ Easy setup - just set hardness and the valve does the rest
- ◆ Power supply meets Energy Efficiency Class VI standards of United States Department of Energy (DoE) requirements

## INSTALLATION TIPS

- ◆ Locate equipment on a smooth, level surface.
- ◆ Maintain an air gap at the end of the drain line.
- ◆ Secure drain line directly over floor drain or stand pipe.
- ◆ When connecting to a water heater, install a check valve on the soft water piping to prevent hot water backup.
- ◆ When sweating/installing copper piping, protect the control valve from excessive heat.
- ◆ Check local codes for additional equipment that may be required, such as backflow prevention devices (eg. RPZ).

## OPERATION TIPS

- ◆ Check for softened water each time salt is added by using a soap or hardness test kit.
- ◆ Use a good quality grade of salt; pellet or high purity solar is preferred.
- ◆ Check the salt level on a regular basis.
- ◆ Maintain minimum salt depth of six (6) inches to ensure proper regeneration.
- ◆ On iron-bearing waters, use a salt that contains an iron "fighting" additive, or use a resin cleaner on a regular basis.
- ◆ Check the water level in the brine tank; if abnormally high - refer to IO guide for troubleshooting information.

## SIZING

- ◆ Service Flow Rate Continuous 8 gpm (30.3 Lpm) @ 15 psi dp
- ◆ Rated Capacity (grains per regeneration): 35,000 @ 15.0 lbs (6.8 kgs) salt/cu ft  
14,457 @ 3 lbs (1.4 kgs) salt/cu ft

## SPECIFICATIONS

### ◆ Overall Dimensions inches (cm)

Width (W)	Depth (D)	Height (H)
36" (92)	12.5" (32)	52" (132)

### ◆ Inlet Connection

3/4" FNPT

### ◆ Outlet Connection

3/4" FNPT

### ◆ Rated Capacity (grains per regeneration)

35,080 @ 15.0 lbs (6.8 kgs) salt/cu ft

14,457 @ 3.0 lbs (1.4 kgs) salt/ cu ft

### ◆ Service Flow Rate

Continuous 8 gpm (30.3 Lpm) @ 15 psi dp

### ◆ Efficiency Rating:

4,819 grains/lbs salt @ 3.0 lbs salt setting

### ◆ Pressure Requirements

25-100 PSI (1.7 -6.9 bar) non-shock

### ◆ Temperature

40° F to 100° F (4.4° C to 37.8° C)

### ◆ Electrical Connection

115 VAC/60 HZ/1 Phase, <0.2A

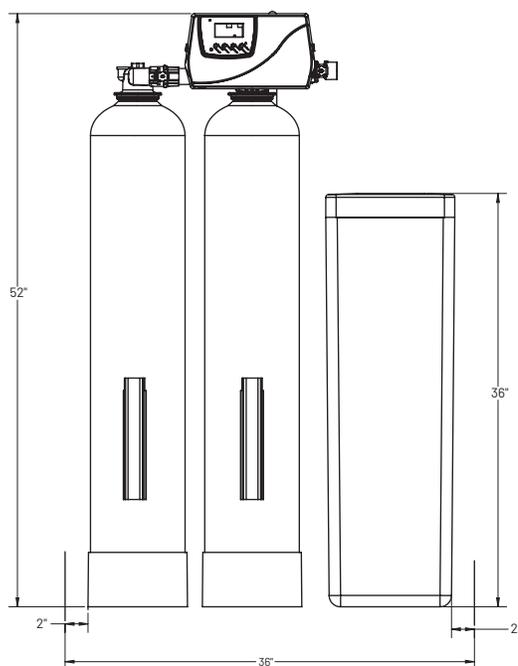
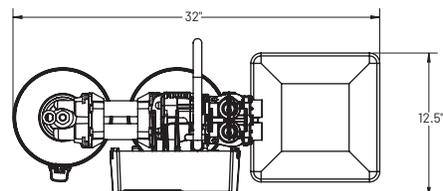
### ◆ Shipping Weight

155 lbs (70 kgs)

### ◆ Operating Weight

520 lbs (236 kgs)

Pentair Everpure CES-9100TS E-30C: EV9980-65



Tested and Certified by NSF International against NSF/ANSI Standard 44 for softener performance.

Conforms to  $\leq 0.25$  weighted average percent lead.

## WARRANTY

Everpure water softening systems by Pentair are covered by a limited warranty against defects in material and workmanship for the following periods:

Complete System - Five (5) years.

See printed warranty for details; copy of the warranty upon request.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



**1040 Muirfield Drive  
Hanover Park, IL 60133  
United States  
800.942.1153 (US Only)  
630.307.3000 Main  
cseverpure@pentair.com**

§ Pentair trademarks and logos are owned by Pentair plc or its affiliates. For a detailed list of where Pentair trademarks are registered, please visit [www.pentair.com/en/registrations.html](http://www.pentair.com/en/registrations.html). Third party registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

EV9980-65 MY19 ©2019 Pentair Filtration Solutions, LLC. All Rights Reserved.