



# EVERPURE® CES-2850 SERIES WATER CONDITIONERS

## WATER CONDITIONING FOR COMMERCIAL AND LIGHT INDUSTRIAL APPLICATIONS

CES-2850 E-60 EV9983-31  
 CES-2850 E-90 EV9983-32  
 CES-2850 E-120 EV9983-33  
 CES-2850 E-150 EV9983-34



### APPLICATIONS

Warewashing	General Housekeeping	Foodservice
Laundry - Linen & Uniform	Reverse Osmosis Pretreatment	Grocery
Boiler Scale Control	Ice Machines	Retail
Water Heater Scale Reduction	Tea & Iced Tea	

### FEATURES • BENEFITS

Hardness removal of 57,000-142,000 grains	Fiberglass reinforced resin vessels with NSF approved polyethylene liners eliminate worries about corrosion
Flow rates of up to 37 gallons per minute continuous	Meter initiated regeneration minimizes salt, water, and electrical costs
Electronic meter initiated regeneration	
Easily adjustable 5-cycle control	
Large capacity brine tank maximizes time between refills	

### 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 back-up.
- 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 (i.e. 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 are preferred.
- Check the salt level on a regular basis.
- Maintain at minimum salt depth of six (6) inches to ensure a 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.

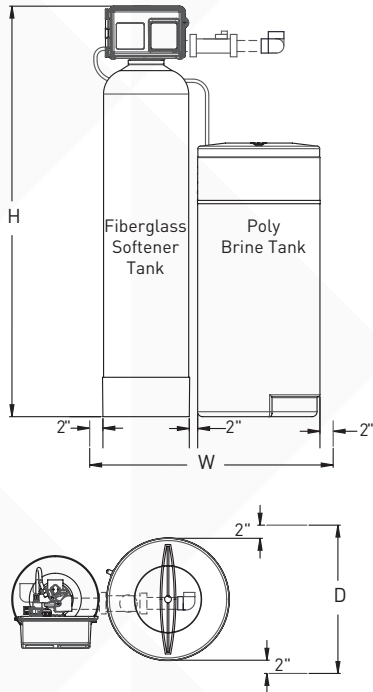
### SIZING

Model #	Service Flow Rate gpm (Lpm)	
	Cont. @ 15 psi dp	Peak @ 25 psi dp
CES-2850 E-60	27 gpm (102.2)	35 gpm (132.5)
CES-2850 E-90	32 gpm (121.1)	42 gpm (159.0)
CES-2850 E-120	34 gpm (128.7)	44 gpm (166.6)
CES-2850 E-150	37 gpm (140.0)	48 gpm (181.7)

Rated Capacity (grains per regeneration)	
CES-2850 E-60	57,000 @18 lbs (8.2 kgs) salt
CES-2850 E-90	85,000 @27 lbs (12.3 kgs) salt
CES-2850 E-120	113,000 @ 36 lbs (16.3 kgs) salt
CES-2850 E-150	142,000 @ 45 lbs (20.5 kgs) salt

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## SPECIFICATIONS

### Overall Dimensions inches (cm)

Model #	Width (W)	Depth (D)	Height (H)
CES-2850 E-60	37" (93.98)	23" (58.42)	63" (160.02)
CES-2850 E-90	45" (114.3)	28" (58.42)	77" (147.8)
CES-2850 E-120	47" (124.5)	28" (71.12)	77" (187.96)
CES-2850 E-150	49" (124.5)	28" (71.12)	77" (195.58)

### Inlet Connection

1" FNPT

### Outlet Connection

1" FNPT

### Rated Capacity (grains per regeneration)

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CES-2850 E-120	113,000 @36 lbs (16.3 kgs) salt
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### Service Flow Rate gpm (Lpm)

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### 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

### Shipping Weight

CES-2850 E-60	200 lbs	(90.72 kgs)
CES-2850 E-34	290 lbs	(131.54 kgs)
CES-2850 E-45	360 lbs	(163.29 kgs)
CES-2850 E-120	450 lbs	(204.12 kgs)

### Operating Weight

CES-2850 E-60	860 lbs	(390.09 kgs)
CES-2850 E-34	1,420 lbs	(644.10 kgs)
CES-2850 E-45	1,600 lbs	(725.75 kgs)
CES-2850 E-120	1,820 lbs	(825.54 kgs)

## 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 - 1 year
- | Control Valve - 5 years
- | Mineral Tank(s)
  - 6-13" diameter - 10 years
  - 14" diameter and larger - 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.



## WATER FILTRATION

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