

CES-2850E SERIES WATER CONDITIONERS

System Part Numbers:

CES-2850E-75 EV998331

CES-2850E-90 EV998332

CES-2850E-120 EV998333



Resin tank color may vary by model

SYSTEM DESCRIPTION

Water conditioning for commercial and light industrial applications configured as a single tank system with 1.5" Porting.

FEATURES • BENEFITS

- ◆ Hardness removal of 75,000 to 120,000 grains at flow rates up to 34 gallons per minute continuous
- ◆ Easily adjustable 5-cycle control
- ◆ Large capacity brine tank maximizes time between refills
- ◆ Fiberglass reinforced resin vessels with NSF-approved polyethylene liners guard against corrosion and optimize performance
- ◆ Electronic meter initiated regeneration minimizes salt and water usage
- ◆ Utilizes NXT2 programmable controllers that connect multiple commercial valves using on-board communication cables and CAT 5 cable

APPLICATIONS

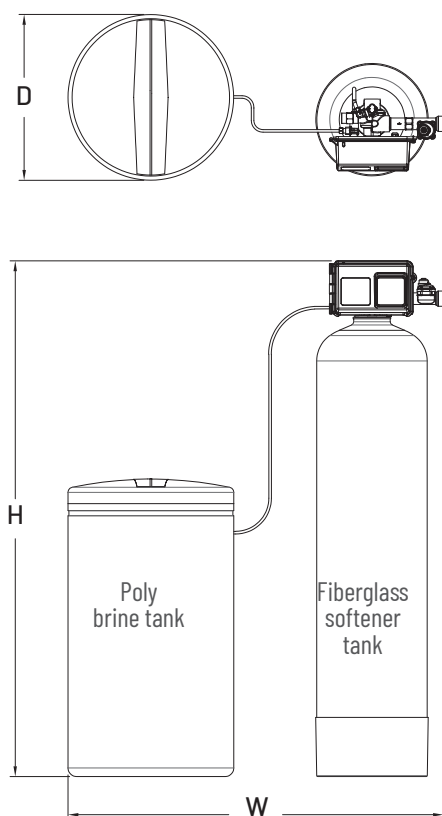
- ◆ Cold water fed warewashing
- ◆ Laundry - linen & uniform
- ◆ Boiler scale control
- ◆ Water heater scale protection/reduction
- ◆ General housekeeping
- ◆ Reverse osmosis pretreatment
- ◆ Tea brewing
- ◆ Grocery
- ◆ Retail

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).

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<http://pentair.com/assets/foodservice-warranty>.
To receive a free copy email or call your Pentair
representative using the information provided below.

Do not use with water that is microbiologically unsafe or of unknown quality
without adequate disinfection before or after the system.

SPECIFICATIONS

System

Connections

Inlet Connection: 1.5" FNPT
Outlet Connection: 1.5" FNPT

Operating Pressure

25 - 125 psi (1.7 - 8.6 bar)
non-shock

Performance

Water Temperature

40 - 100°F (4.4 - 37.8°C)

Electrical Connection

115 VAC/60 HZ/1 Phase

Overall Dimensions

CES-2850E-75 64" H x 39" W x 19" D (163 cm x 99 cm x 48 cm)

CES-2850E-90 74" H x 46" W x 24" D (188 cm x 117 cm x 61 cm)

CES-2850E-120 74" H x 47" W x 24" D (188 cm x 119 cm x 61 cm)

Service Flow Rate

Model	Minimum Flow	@ 15 psi (1.0 bar) ΔP	@ 25 psi (1.7 bar) ΔP
CES-2850E-75	1 gpm (4 Lpm)	27 gpm (102 Lpm)	35 gpm (132 Lpm)
CES-2850E-90	1.2 gpm (5 Lpm)	32 gpm (121 Lpm)	42 gpm (159 Lpm)
CES-2850E-120	1.5 gpm (6 Lpm)	34 gpm (129 Lpm)	44 gpm (167 Lpm)

Capacity

Model	Rated Capacity	Salt Storage Capacity
CES-2850E-75	62,500 grains @ 22.5 lbs (10 kg) salt	425 lbs (193 kgs)
CES-2850E-90	75,000 grains @ 27 lbs (12 kg) salt	750 lbs (340 kgs)
CES-2850E-120	100,000 grains @ 36 lbs (16 kg) salt	750 lbs (340 kgs)

Weight

Model	Operating Weight	Shipping Weight
CES-2850E-75	885 lbs (401 kg)	225 lbs (102 kg)
CES-2850E-90	1,420 lbs (644 kg)	290 lbs (132 kg)
CES-2850E-120	1,600 lbs (726 kg)	360 lbs (163 kg)



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