PENTAIR
EVERPURE

CES-2850E SERIES WATER CONDITIONERS

System Part Numbers:
CES-2850E-60 EV9983-31
CES-2850E-90 EV9983-32
CES-2850E-120 EV9983-33

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 60,000 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
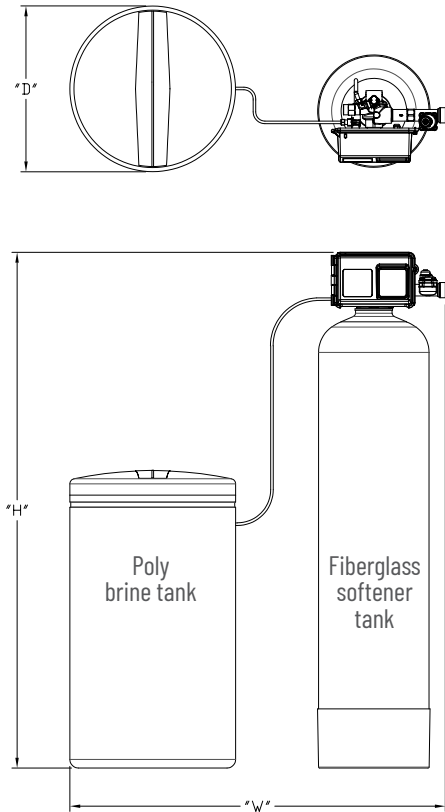
◆ Utilizes NXT2 programmable controller

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).

CES-2850E SERIES WATER CONDITIONERS

EV9983-31 • EV9983-32 • EV9983-33

Poly brine tank

Fiberglass softener tank

For Pentair Everpure Product Warranties visit:
http://pentair.com/assets/foodservice-warranty

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-60	63" H x 38" W x 19" D (160 cm x 97 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-60	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-60	50,000 grains @ 18 lbs (8 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-60	860 lbs (390 kg)	200 lbs (91 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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CES 2850E Series AU23