

CES-2900E SERIES WATER CONDITIONERS

System Part Numbers:

CES-2900E-120: EV998422

CES-2900E-150: EV998423

CES-2900E-210: EV998424



SYSTEM DESCRIPTION

Water conditioning for commercial and light industrial applications configured as a single tank system with 2" porting.

FEATURES • BENEFITS

- ◆ Hardness removal of 120,000 to 210,000 grains at flow rates up to 57 gallons per minute continuous
- ◆ Electronic meter initiated regeneration minimizes salt and water usage
- ◆ Advanced user-friendly controls incorporates two time-tested hydraulically balanced pistons to independently pilot service flow and regeneration
- ◆ Large capacity brine tank maximizes time between refills
- ◆ Pressure vessels are constructed with a polyethylene shell that is wound continuously with fiberglass and sealed with epoxy resin. This process results in corrosion-resistant and leak-free vessel
- ◆ Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service
- ◆ Utilizes NXT2 programmable controllers that connect multiple commercial valves using on-board communication cables and CAT 5 cable

APPLICATIONS

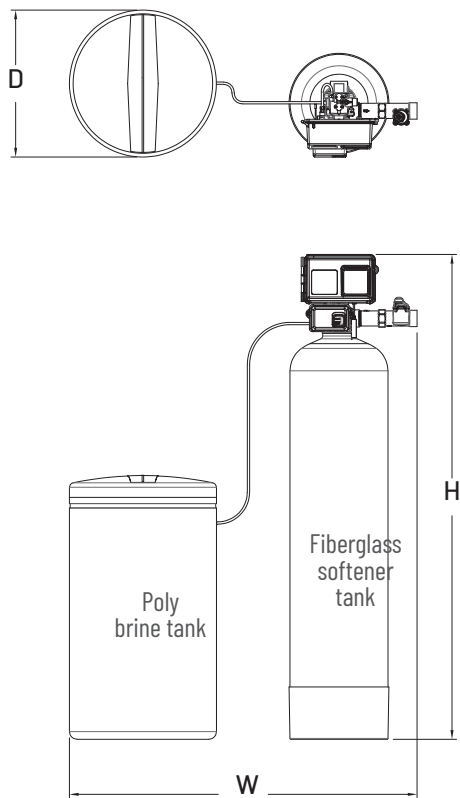
- ◆ Cold water fed warewashing
- ◆ Laundry - linen & uniform
- ◆ Boiler scale control
- ◆ Water heater scale protection/reduction
- ◆ General housekeeping

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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For Pentair Everpure Product Warranties visit:
<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: 2" FNPT
 Outlet Connection: 2" 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-2900E-120	79" H x 49" W x 24" D (201 cm x 124 cm x 61 cm)
CES-2900E-150	82" H x 52" W x 24" D (208 cm x 132 cm x 61 cm)
CES-2900E-210	82" H x 60" W x 30" D (208 cm x 152 cm x 76 cm)

Service Flow Rate

Model	Minimum Flow	@ 15 psi (1.0 bar) ΔP	@ 25 psi (1.7 bar) ΔP
CES-2900E-120	3 gpm (11 Lpm)	47 gpm (178 Lpm)	60 gpm (227 Lpm)
CES-2900E-150	4 gpm (16 Lpm)	53 gpm (201 Lpm)	69 gpm (261 Lpm)
CES-2900E-210	5 gpm (19 Lpm)	57 gpm (216 Lpm)	74 gpm (280 Lpm)

Weight

Model	Operating Weight	Shipping Weight
CES-2900E-120	1,600 lbs (726 kg)	360 lbs (163 kg)
CES-2900E-150	1,830 lbs (830 kg)	460 lbs (209 kg)
CES-2900E-210	2,650 lbs (1202 kg)	630 lbs (286 kg)

Capacity

Model	Rated Capacity	Salt Storage Capacity
CES-2900E-120	100,000 grains @ 36 lbs (16 kg) salt	750 lbs (340 kgs)
CES-2900E-150	125,000 grains @ 45 lbs (20 kg) salt	750 lbs (340 kgs)
CES-2900E-210	175,000 grains @ 63 lbs (29 kg) salt	1,200 lbs (544 kgs)



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