

CES-2900E SERIES WATER CONDITIONER

System Part Numbers:

CES-2900E-120: EV9984-22

CES-2900E-150: EV9984-23

CES-2900E-210: EV9984-24

CES-2900E-300: EV9984-25



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 300,000 grains at flow rates up to 62 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 manufactured with a polyethylene shell that is wound continuously with fiberglass woving and sealed with epoxy resin. This process results in corrosion-resistant, 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 controller

APPLICATIONS

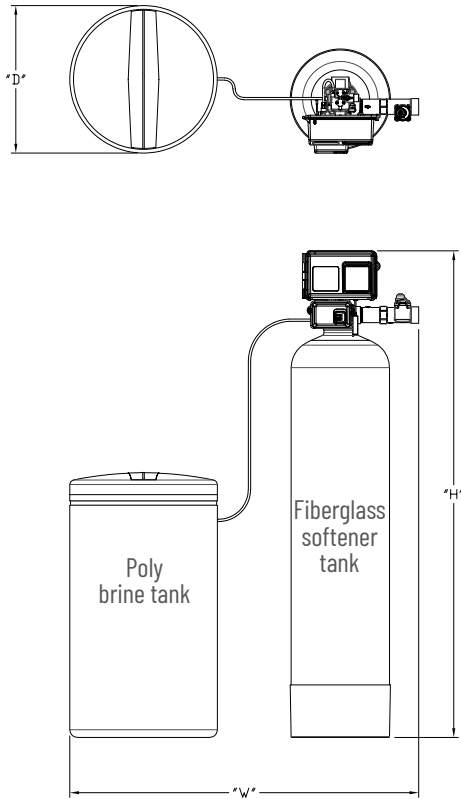
- ◆ Cold water fed warewashing
- ◆ Laundry - linen & uniform
- ◆ Boiler scale control
- ◆ Water heater scale protection/reduction
- ◆ General housekeeping

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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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)
CES-2900E-300	89" H x 64" W x 30" D (226 cm x 163 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)
CES-2900E-300	6 gpm (23 Lpm)	62 gpm (235 Lpm)	80 gpm (303 Lpm)

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)
CES-2900E-300	250,000 grains @ 90 lbs (41 kg) salt	1,200 lbs (544 kgs)

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)
CES-2900E-300	3,290 lbs (1492 kg)	920 lbs (417 kg)

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



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