

CES-2900E-DP SERIES WATER CONDITIONERS

System Part Numbers:

CES-2900E-120-DP: EV998442

CES-2900E-150-DP: EV998443

CES-2900E-210-DP: EV998444

SYSTEM DESCRIPTION

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



Resin tank color may vary by model

FEATURES • BENEFITS

- ◆ Hardness removal of 120,000 to 210,000 grains at flow rates up to 114 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 feature a polyethylene shell wrapped in fiberglass and sealed with epoxy, minimizing corrosion- and leak-resistant
- ◆ Duplex parallel tank configuration for continuous soft water supply and higher service flow rates
- ◆ Utilizes NXT2 programmable controllers that connect multiple commercial valves using on-board communication cables and CAT 5 cable

APPLICATIONS

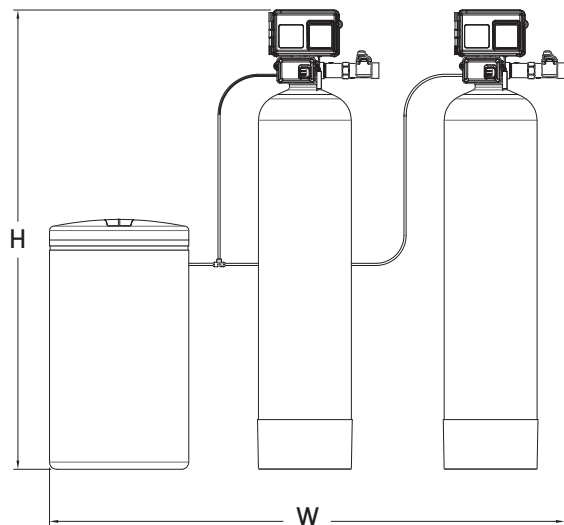
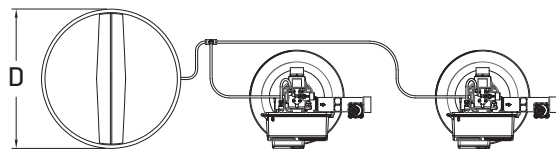
- ◆ Laundry - linen & uniform
- ◆ Boiler scale control
- ◆ Water heater scale protection/reduction
- ◆ General housekeeping
- ◆ Cooling towers
- ◆ Hospitality & grocery

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-2900E-DP SERIES

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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" MNPT
 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
 non-shock

Overall Dimensions

CES-2900E-120-DP 79" H x 81" W x 24" D (201 cm x 206 cm x 61 cm)

CES-2900E-150-DP 82" H x 85" W x 24" D (208 cm x 216 cm x 61 cm)

CES-2900E-210-DP 82" H x 97" W x 30" D (208 cm x 246 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-DP	3 gpm (11 Lpm)	94 gpm (356 Lpm)	121 gpm (458 Lpm)
CES-2900E-150-DP	4 gpm (15 Lpm)	106 gpm (401 Lpm)	137 gpm (519 Lpm)
CES-2900E-210-DP	5 gpm (19 Lpm)	114 gpm (432 Lpm)	148 gpm (560 Lpm)

Capacity

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

Weight

Model	Operating Weight	Shipping Weight
CES-2900E-120-DP	1,990 lbs (903 kg)	460 lbs (209 kg)
CES-2900E-150-DP	2,610 lbs (1184 kg)	880 lbs (399 kg)
CES-2900E-210-DP	3,690 lbs (1674 kg)	1,210 lbs (549 kg)



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