

# CES-2900E-QP SERIES WATER CONDITIONER

System Part Numbers:

CES-2900E-120-QP: EV9980-71

CES-2900E-150-QP: EV9980-72

CES-2900E-210-QP: EV9980-73

CES-2900E-300-QP: EV9980-74



## APPLICATIONS

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

## SYSTEM DESCRIPTION

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

## FEATURES • BENEFITS

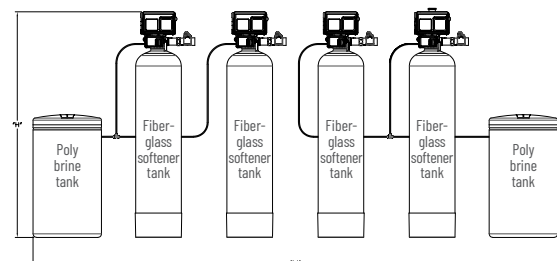
- ◆ Hardness removal of 120,000 to 300,000 grains per tank at flow rates up to 246 gallons per minute continuous
- ◆ Utilizes NXT2 programmable controllers that use on-board communication cables to link multiple commercial valves via CAT 5 cable
- ◆ Advanced user-friendly controls incorporates time-tested hydraulically balanced pistons to independently pilot service flow and regeneration
- ◆ Large capacity brine tanks maximizes time between refills
- ◆ Quadplex parallel tank configuration for continuous soft water supply and higher service flow rates
- ◆ 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
- ◆ Electronic meter initiated regeneration minimizes salt and water usage

## 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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EV9980-71 • EV9980-72 • EV9980-73 • EV9980-74



## 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

## Overall Dimensions

CES-2900E-120-QP	79" H x 168" W x 24" D (201 cm x 427 cm x 61 cm)
CES-2900E-150-QP	82" H x 180" W x 24" D (208 cm x 457 cm x 61 cm)
CES-2900E-210-QP	82" H x 200" W x 30" D (208 cm x 508 cm x 76 cm)
CES-2900E-300-QP	89" H x 216" W x 30" D (226 cm x 549 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-QP	3 gpm (11 Lpm)	188 gpm (712 Lpm)	242 gpm (916 Lpm)
CES-2900E-150-QP	4 gpm (15 Lpm)	212 gpm (803 Lpm)	274 gpm (1037 Lpm)
CES-2900E-210-QP	5 gpm (19 Lpm)	228 gpm (863 Lpm)	296 gpm (1120 Lpm)
CES-2900E-300-QP	6 gpm (23 Lpm)	246 gpm (931 Lpm)	318 gpm (1204 Lpm)

## Capacity

Model	Rated Capacity	Salt Storage Capacity
CES-2900E-120-QP	100,000 grains @ 36 lbs (16 kg) salt	1,500 lbs (680 kgs)
CES-2900E-150-QP	125,000 grains @ 45 lbs (20 kg) salt	1,500 lbs (680 kgs)
CES-2900E-210-QP	175,000 grains @ 63 lbs (29 kg) salt	2,200 lbs (998 kgs)
CES-2900E-300-QP	250,000 grains @ 90 lbs (41 kg) salt	2,200 lbs (998 kgs)

## Weight

Model	Operating Weight	Shipping Weight
CES-2900E-120-QP	3,980 lbs (1805 kg)	920 lbs (417 kg)
CES-2900E-150-QP	5,220 lbs (2368 kg)	1,760 lbs (798 kg)
CES-2900E-210-QP	7,380 lbs (3348 kg)	2,420 lbs (1098 kg)
CES-2900E-300-QP	9,560 lbs (4336 kg)	3,500 lbs (1588 kg)

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



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