

# CES-9500E SERIES WATER CONDITIONER

System Part Numbers:

CES-9500E-60: EV9986-00

CES-9500E-90: EV9986-01

CES-9500E-120: EV9986-02

CES-9500E-150: EV9986-03



## SYSTEM DESCRIPTION

Water conditioning for commercial and light industrial applications available in twin tank system with 1-1/2" porting.

## FEATURES • BENEFITS

- ◆ Hardness removal of 60,000 to 150,000 grains per tank at flow rates up to 31 gallons per minute continuous
- ◆ Electronic meter initiated regeneration minimizes salt and water usage
- ◆ 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
- ◆ Large capacity brine tank maximizes time between refills
- ◆ Alternating twin tank design for continuous soft water supply and reduced salt usage
- ◆ Easily adjustable 5-cycle downflow brining control

## APPLICATIONS

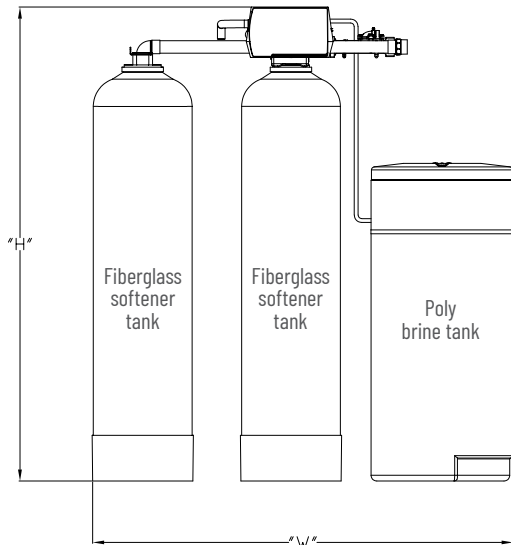
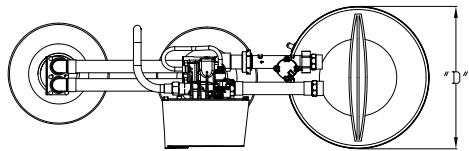
- ◆ Cold water fed warewashing
- ◆ Laundry - linen & uniform
- ◆ Boiler scale control
- ◆ Water heater scale protection/reduction
- ◆ General housekeeping
- ◆ Reverse osmosis pretreatment
- ◆ Tea brewing
- ◆ Retail

## 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).

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<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-9500E-60	63" H x 54" W x 19" D (160 cm x 137 cm x 48 cm)
CES-9500E-90	74" H x 65" W x 24" D (188 cm x 165 cm x 61 cm)
CES-9500E-120	74" H x 67" W x 24" D (188 cm x 170 cm x 61 cm)
CES-9500E-150	77" H x 73" W x 24" D (196 cm x 185 cm x 61 cm)

### Service Flow Rate

Model	Minimum Flow	@ 15 psi (1.0 bar) ΔP	@ 25 psi (1.7 bar) ΔP
CES-9500E-60	1.5 gpm (6 Lpm)	25 gpm (95 Lpm)	32 gpm (121 Lpm)
CES-9500E-90	2 gpm (8 Lpm)	28 gpm (106 Lpm)	36 gpm (136 Lpm)
CES-9500E-120	3 gpm (11 Lpm)	30 gpm (114 Lpm)	39 gpm (148 Lpm)
CES-9500E-150	4 gpm (15 Lpm)	31 gpm (117 Lpm)	40 gpm (151 Lpm)

### Capacity

Model	Rated Capacity	Salt Storage Capacity
CES-9500E-60	50,000 grains @ 18 lbs (8 kg) salt	425 lbs (193 kgs)
CES-9500E-90	75,000 grains @ 27 lbs (12 kg) salt	750 lbs (340 kgs)
CES-9500E-120	100,000 grains @ 36 lbs (16 kg) salt	750 lbs (340 kgs)
CES-9500E-150	125,000 grains @ 45 lbs (20 kg) salt	750 lbs (340 kgs)

### Weight

Model	Operating Weight	Shipping Weight
CES-9500E-60	1,140 lbs (518 kg)	360 lbs (163 kg)
CES-9500E-90	1,880 lbs (853 kg)	520 lbs (236 kg)
CES-9500E-120	2,190 lbs (993 kg)	660 lbs (299 kg)
CES-9500E-150	2,570 lbs (1166 kg)	840 lbs (381 kg)



1040 Muirfield Drive | Hanover Park, IL 60133 | United States  
 800.942.1153 (US Only) | 630.307.3000 Main | [cseverpure@pentair.com](mailto:cseverpure@pentair.com) | [foodservice.pentair.com](http://foodservice.pentair.com)