



# CES 2900DP Series Water Conditioner

Water Conditioning for Commercial and Light Industrial Applications  
Available in Duplex Parallel System with 2" Porting



CES-2900E-136-DP: EV9984-42  
 CES-2900E-171-DP: EV9984-43  
 CES-2900E-239-DP: EV9984-44  
 CES-2900E-341-DP: EV9984-45  
 CES-2900E-512-DP: EV9984-46

## BENEFITS

Hardness removal of 136,000 to 512,000 grains at flow rates up to 145 gallons per minute continuous

Meter initiated regeneration minimizes salt, water, and electrical costs

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

Fiberglass reinforced resin vessels with NSF approved polyethylene liners eliminate worries about corrosion

Duplex parallel tank configuration for continuous soft water supply and higher service flow rates

## 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)

## OPERATION TIPS

Check for softened water each time salt is added, by using a soap or hardness test kit  
 Use a good quality grade of salt - Solar or pellet are preferred  
 Check the salt level on a regular basis  
 Maintain at minimum salt depth of 6" to ensure a proper regeneration  
 On iron bearing waters, use a salt that contains an iron "fighting" additive, or use a resin cleaner on a regular basis  
 Check the water level in the brine tank  
 If abnormally high - refer to IO guide for troubleshooting information

## APPLICATION/SIZING

Warewashing  
 Laundry - Linen & Uniform  
 Boiler Scale Control  
 Water Heater Scale Protection/Reduction  
 General Housekeeping

## SPECIFICATIONS

### Overall Dimensions (inches):

Model Number	Width (A)	Depth (B)	Height (C)
CES-2900E-136-DP	64	28	79
CES-2900E-171-DP	70	28	82
CES-2900E-239-DP	81	34	82
CES-2900E-341-DP	87	34	89
CES-2900E-512-DP	99	34	97

Inlet Connection:  
2" FNPT

Outlet Connection:  
2" FNPT

### Service Flow Rate (GPM):

Model Number	Cont. @ 15 PSI DP	Peak @ 25 PSI DP
CES-2900E-136-DP	94	121
CES-2900E-171-DP	106	137
CES-2900E-239-DP	114	148
CES-2900E-341-DP	123	159
CES-2900E-512-DP	145	188

### Rated Capacity (grains per tank):

CES-2900E-136-DP	136,000
CES-2900E-171-DP	171,000
CES-2900E-239-DP	239,000
CES-2900E-341-DP	341,000
CES-2900E-512-DP	512,000

Pressure Requirements:  
25-100 PSI (1.7 -6.9 bar) non-shock

Temperature:  
40° F to 100° F

Electrical:  
115 VAC/60 HZ/1 Phase

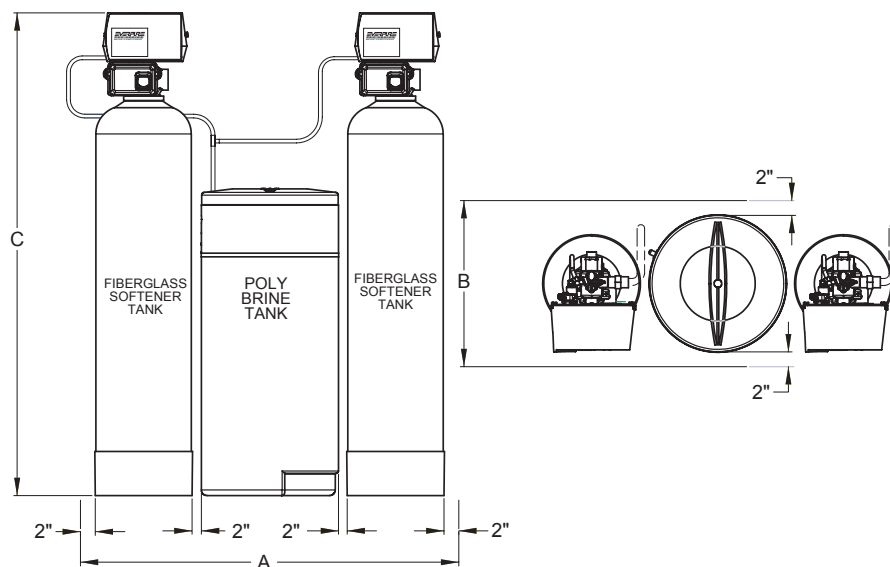
### Shipping Weight:

CES-2900E-136-DP	460 lbs.
CES-2900E-171-DP	880 lbs.
CES-2900E-239-DP	1210 lbs.
CES-2900E-341-DP	1750 lbs.
CES-2900E-512-DP	2750 lbs.

### Operating Weight:

CES-2900E-136-DP	1990 lbs.
CES-2900E-171-DP	2610 lbs.
CES-2900E-239-DP	3690 lbs.
CES-2900E-341-DP	4780 lbs.
CES-2900E-512-DP	7060 lbs.

## CES 2900DP Series



The contaminants or other substances removed or reduced by this water conditioning system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used with disinfected water that may contain filterable cysts.

## WARRANTY

Everpure water softening systems are covered by a limited warranty against defects in material and workmanship for the following periods:

- ◆ Complete System - 1 year
- ◆ Control Valve - 5 years
- ◆ Mineral Tank(s) -
  - ◆ 6-13" diameter - 10 years
  - ◆ 14" diameter and larger - 5 years

See printed warranty for details. Everpure will provide a copy of the warranty upon request.



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