



CES 2850 Series Water Conditioner

Water Conditioning for Commercial and Light Industrial Applications
Available in Single Tank System with 1-1/2" Porting



CES-2850M-68: EV9983-21
 CES-2850M-102: EV9983-22
 CES-2850M-136: EV9983-23
 CES-2850M-171: EV9983-24

BENEFITS

Hardness removal of 68,000 to 171,000 grains at flow rates up to 37 gallons per minute continuous

Meter initiated regeneration minimizes salt, water, and electrical costs

Advanced user-friendly controls incorporates time-tested hydraulically balanced piston, seal and spacer design to 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

Single tank design for simplicity, economy and space savings

Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service

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-2850M-68	37	23	63
CES-2850M-102	45	28	74
CES-2850M-136	46	28	74
CES-2850M-171	49	28	77

Inlet Connection:

1.5" FNPT

Outlet Connection:

1.5" FNPT

Service Flow Rate (GPM):

Model Number	Cont. @ 15 PSI DP	Peak @ 25 PSI DP
CES-2850M-68	27	35
CES-2850M-102	32	42
CES-2850M-136	34	44
CES-2850M-171	37	48

Rated Capacity (grains):

CES-2850M-68	68,000
CES-2850M-102	102,000
CES-2850M-136	136,000
CES-2850M-171	171,000

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

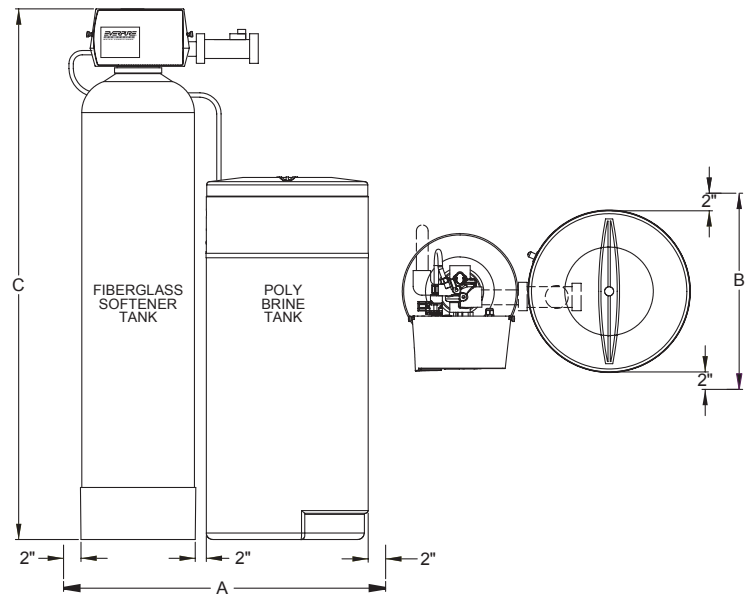
Shipping Weight:

CES-2850M-68	200 lbs.
CES-2850M-102	290 lbs.
CES-2850M-136	360 lbs.
CES-2850M-171	450 lbs.

Operating Weight:

CES-2850M-68	860 lbs.
CES-2850M-102	1420 lbs.
CES-2850M-136	1600 lbs.
CES-2850M-171	1820 lbs.

CES 2850 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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