



## WATER SOFTENER SYSTEMS

### *Solutions for hard water!*

Hard water can create multiple maintenance problems in food service applications such as:



- Scale deposits on dishes
- Scale deposits in espresso
- Excessive detergent and soap use
- Scaling inside ice machines
- Scaling of water heater elements
- Scaling of bathroom and kitchen fixtures

#### STANDARD SERIES

These cation exchange systems come with fully automatic electronic metered control

valves that set off the regeneration process based on water consumption, thereby optimizing salt usage and effluent discharge. Capacity can be programmed based on water hardness and individual regeneration cycle times can also be programmed to suit water conditions. They include a bypass valve, small brine tank, brine float and drain fitting

#### FEATURES

- Compact & space-saving design.
- Fully automatic
- Programmable controls
- Low salt usage

#### BENEFITS

- Clean & sparkling dishes
- Minimum detergent & soap use
- Prolongs life of water heaters & reduces energy consumption
- Prevents scaling in ice machines & steam ovens

### TWIN-ALTERNATING SOFTENER SYSTEMS – For 24/7, uninterrupted supply of soft water



When a softener's exchange capacity gets exhausted, it needs periodic regeneration. During regeneration, the soft water supply is interrupted until the process is complete. In certain conditions, where continuous soft water supply is required, such an interruption time can mean loss of productivity or quality.

Envirogard's Twin-Alternating Softening systems are designed to deliver continuous soft water even during regeneration.

They feature a twin mineral tank system governed by a meter-initiated control valve. In the twin-tank system, one tank is in service and the other in reserve. When the exchange capacity of the service tank gets exhausted, the control valve automatically switches over to the reserve tank. The exhausted tank is regenerated immediately and placed in reserve.

This twin-alternating system ensures a continuous supply of soft water without the risk of hard water getting in the service flow.

### MINI WATER SOFTENERS



Where space constraints exist, Envirogard's MINI water softeners are designed to meet the demanding needs and specifications for all types of soft water applications.

Using fully automatic, programmable and metered controls, MINI softeners provide an excellent space-saving solution to applications requiring soft water.

**SPECIFICATIONS – STANDARD SERIES**

MODEL	Capacity (Grains) @ 15lb	VALVE TYPE	Resin Vol Cu Ft	Flow Rates (US GPM)		Max Drain Flow GPM	Salt / Regen. @ 15 Lb	Tank Dia x Ht Inch	Salt Tank Dia x Ht Inch
				Continuous	@ 25 psi drop				
EDSE30	30,000	Electronic	1	8	10	1.5	10	9 x 48	21 x 36
EDSE 45	45,000	Electronic	1.5	10	12	2.5	15	10 x 54	21 x 36
EDSE 60	60,000	Electronic	2	12	15	3.5	20	12 x 52	21 x 36
EDS 90 – 1	90,000	METERED	3	20	29	5	45	14 x 65	21 x 36
EDS 120-1	120,000	METERED	4	21	29	7	60	16 x 65	21 x 36

**SPECIFICATIONS –TWIN-ALTERNATING SERIES**

MODEL	Capacity (Grains) @ 15lb	VALVE MODEL – inlet/outlet	Resin Vol Cu Ft	Flow Rates (US GPM)		Max Drain Flow GPM	Salt / Regen. @ 15 Lb	Tank Dia x Ht Inch	Salt Tank Dia x Ht Inch
				Continuo us	@ 25 psi drop				
EDS 30-TA-3/4	30,000	9000-3/4"	1.0	11	18	2.0	15	9 x 48	21 x 36
EDS30-TA-1	30,000	9000-1"	1.0	11	19	2.0	15	9 x 48	21 x 36
EDS40TA-3/4	40,000	9000-3/4"	1.33	13	18	2.4	20	10 x 54	21 x 36
EDS40TA-1	40,000	9000-1"	1.33	14	21	2.4	20	10 x 54	21 x 36
EDS45TA-3/4	45,000	9000-3/4"	1.66	15	21	4.0	25	12 x 52	21 x 36
EDS45TA-1	45,000	9000-1"	1.66	17	23	4.0	25	12 x 52	21 x 36
EDS60TA-3/4	60,000	9000-3/4"	2.0	16	22	5.0	30	14 x 50	21 x 36
EDS60-TA-1	60,000	9000-1"	2.0	18	25	5.0	30	14 x 50	21 x 36
EDS60TA-1.5	60,000	9500-1.5"	2.0	26	45	5.0	30	14 x 50	21 x 36
EDS90TA-3/4	90,000	9000-3/4"	3.0	15	21	5.0	45	14 x 65	21 x 36
EDS90TA-1	90,000	9000-1"	3.0	17	23	5.0	45	14 x 65	21 x 36
EDS90TA-1.5	90,000	9500-1.5"	3.0	26	41	5.0	45	14 x 65	21 x 36

**SPECIFICATIONS – MINI SERIES**

Model	Capacity(Grains)	Control Valve type	Inlet/Outlet	Drain size	Max service flow rate	Max Flow to drain
MINI 618E	4000 grains	Electronic Metered	¾" MNPT	½" Hose	2.5 GPM	1 GPM
MINI 1019E	8000 grains	Electronic Metered	¾" MNPT	½" Hose	4 GPM	1 GPM

\* - a) For cold water use only. This product is for commercial use only.

b) Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

For larger or custom sizes, please call Envirogard.

**Limited One (1) Year Warranty**

Envirogard softener system is warranted, to the original purchaser/owner, for a period of **one (1)** year, from the date of purchase, against defects in materials or workmanship. O-rings, electronic valve and installation fittings are also warranted for a period of one (1) year from the original date of purchase. Envirogard’s obligation under this warranty shall consist of repair, replacement or credit, at its option, of any part found by company inspection to be defective, provided that the product has not been misused, abused, altered or damaged as determined by the company. For warranty details, please call Envirogard



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