



INCREASED OPERATIONAL EFFICIENCY AND ENHANCED WAREWASHING RESULTS

SOFTENING BENEFITS

- ▲ Twin tank configuration handles water usage fluctuations providing uninterrupted soft water
- ▲ Meter-initiated regeneration minimizes salt consumption water usage
- ▲ Non-electric design simplifies installation, service and operation
- ▲ Integrated bypass allows uninterrupted water flow
- ▲ Countercurrent regeneration optimizes salt consumption

BENEFITS OF ECOLAB'S MANAGED WATER SOFTENING PROGRAM

- ▲ Single point of accountability for delivering what really matters - results
- ▲ Routine system monitoring ensures consistency and quality across your entire operation
- ▲ Preventative and emergency maintenance allows you to do what you do best - run your business
- ▲ State of the art technology combined with a world class service partner you know and trust



COMMON SYSTEM COMPONENTS

Resin Vessel Construction	Fiberglass Wrapped Polypropylene
Resin Type	Non-Solvent, High Capacity Cation Resin
Regeneration Control	Non-electric Meter
Regeneration Type	Countercurrent
Power	None

VARIABLE SYSTEM COMPONENTS



Model	ECO-HTSS150	HWS-FLT	EST-CP150	EST-CP250	EST-CP400	EST-CP500
Part Number	9320-2337	9320-2170	9320-2148	9320-2149	9320-2159	9320-2150
Resin Vessel (qty) Size	(2) 8" x 17"	(2) 8"x17"	(2) 10" x 54"	(2) 13" x 54"	(2) 16" x 65"	(4) 13" x 64"
Empty Bed Volume (per tank)	0.40 ft ³	0.40 ft ³	2.19 ft ³	3.68 ft ³	6.55 ft ³	3.68 ft ³
Resin Volume (per tank)	0.40 ft ³	0.40 ft ³	1.50 ft ³	2.50 ft ³	4.00 ft ³	2.50 ft ³
Bed Depth	17"	17"	39"	40"	47"	40"
Free Board	NA	NA	15"	14"	18"	14"
Salt Capacity	70 lbs	200 lbs	500 lbs	500 lbs	500 lbs	500 lbs
INLET WATER QUALITY						
Pressure Range (Dynamic Pressure)	25 - 125 psi	25 - 125 psi	25 - 125 psi	25 - 125 psi	25 - 125 psi	25 - 125 psi
Temperature Range	35 - 150°F	35 - 150°F	35 - 110°F	35 - 110°F	35 - 110°F	35 - 110°F
OPERATING SPECS						
Flow Range (15/30 psid)	10.5 - 14.8 gpm	10.5 - 14.8 gpm	21.0 - 31.0 gpm	28.0 - 40.0 gpm	35.0 - 47.0 gpm	56.0 - 80.0 gpm
Flow Configuration	Alternating	Alternating	Overdrive	Overdrive	Overdrive	Overdrive
Dimensions (H x D x W)	20" x 12" x 16"	26" x 18.5" x 18.5"	60" x 41" x 18"	60" x 53" x 24"	71" x 59" x 24"	NA
Weight (operating/shipping)	200 / 90 lbs	340 / 100 lbs	350 / 175 lbs	450 / 300 lbs	650 / 450 lbs	900 / 600 lbs
CONNECTIONS						
Inlet / Outlet Connections	0.75" FNPT Hose	0.75" FNPT Hose	1.5" Brass Sweat	1.5" Brass Sweat	1.5" Brass Sweat	1.5" Brass Sweat
Drain Connection	0.5" Tube	0.5" Tube	0.5" Tube	0.5" Tube	0.625" Tube	0.625" Tube
Brine Line Connection	0.375" Tube	0.375" Tube	0.375" Tube	0.375" Tube	0.375" Tube	0.375" Tube
Overflow Connection	0.625" Tube	0.625" Tube	0.625" Tube	0.625" Tube	0.625" Tube	NA
REGENERATION SPECIFICATIONS						
Regeneration Volume	14 gallons	14 gallons	102 gallons	142 gallons	160 gallons	142 gallons
Regeneration Time	11 minutes	11 minutes	90 minutes	90 minutes	90 minutes	90 minutes
Salt Dose	3.75 lbs/ft ³	3.75 lbs/ft ³	10 lbs/ft ³	6.0 lbs/ft ³	6.0 lbs/ft ³	10.0 lbs/ft ³
System Capacity	4,850 grains	4,850 grains	42,611 grains	70,000 grains	112,000 grains	140,000 grains



WQA This System is Tested and Certified by WQA against NSF/ANSI 61, Drinking Water System components - Health Effects for Material Safety Requirements Only and NSF/ANSI 372, Drinking Water Systems - Lead Content.

WARRANTY All Products, at the time of shipment to Customer, will meet Ecolab's standard written specifications then in effect and will be fit for the uses and purposes described in Ecolab's Product literature and all Ecolab services, at the time they are rendered, will be done in a good and workmanlike manner. As Customer's sole remedy, Ecolab will, in its reasonable discretion, either replace any product (or re-perform any service) Ecolab determines did not meet this warranty at the time the products were shipped to Customer (or at the time the services were rendered) or refund the purchase price paid by customer for those products (or services). This warranty does not apply to (i) damage resulting from misuse, neglect, accident or improper use of any of the products by any person or entity other than Ecolab or (ii) any product altered by any person or entity other than Ecolab. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. ECOLAB ALSO DISCLAIMS LIABILITY TO CUSTOMER AND ALL OTHERS FOR ALL CONSEQUENTIAL, INCIDENTAL, AND/OR SPECIAL DAMAGES CAUSED BY OR RELATED TO THE PRODUCTS, SERVICES AND EQUIPMENT.

1 Ecolab Place St. Paul, MN 55102
www.ecolab.com 1 800 35 CLEAN

©2017 Ecolab USA Inc. All rights reserved.

