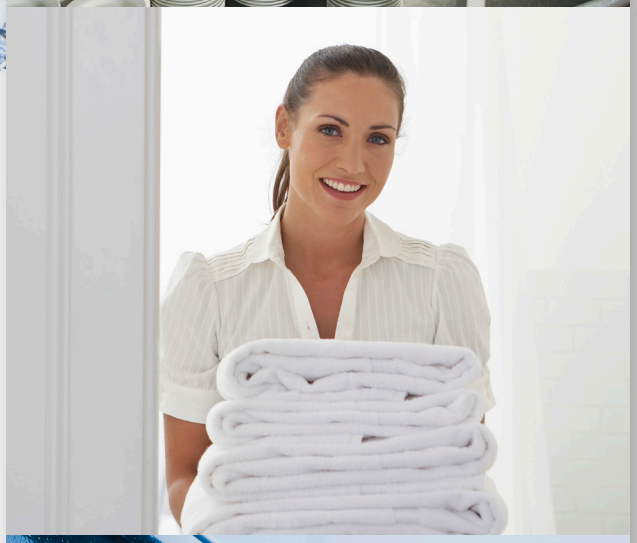
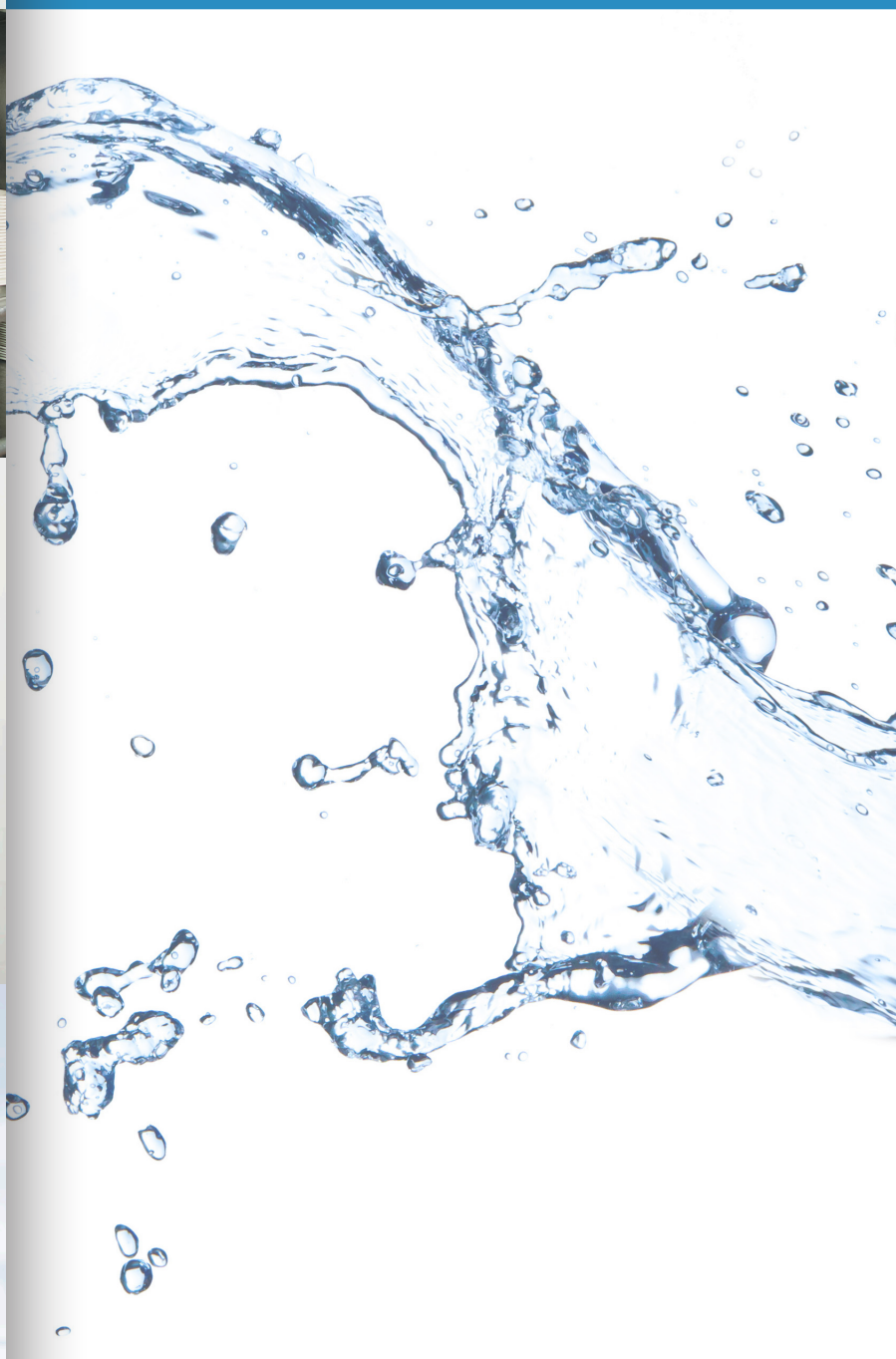
ECOWATER SYSTEMS®

Commercial
Water Softening



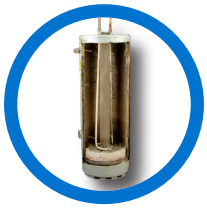


Hard water can be hard on your business.

When you run a business that uses water, it's important to have the hard facts: hard water costs industry millions of dollars annually in additional maintenance and equipment replacement. Why is hard water such a problem? Because it contains minerals that can build up in pipes and equipment. The resulting rock-like scale restricts water flow, and clogs valves and vents. Hard water scale on water heaters and boilers reduces heat transfer, requiring more energy and frequently causing premature burnout. In addition, particles in the water can cause excessive wear on valve seats which leads to dripping faucets and fixture staining.

Life doesn't have to be so hard.

With all the problems hard water can cause, it's easy to see how you can save money and resources by conditioning your water.



Save on Energy Expenses

Use up to 29 percent less energy to heat soft water because it minimizes the scale that prevents heat transfer inside boilers and water heaters.

Reduce Plumbing Repairs

Eliminate hard water-related plumbing system malfunctions including hard water mineral buildup that causes flow restrictions and pipe damage.

Prolong Appliance Life

Commercial warewashers and other machines last longer without harmful scale buildup that can damage parts and restrict operation.

Reduce Chemical Use

Soft water cuts detergent and chemical use by as much as 75 percent since it doesn't require extra chemicals to create desired results.

Make Cleaning Easier

Spend less time cleaning without the scale and scum associated with hard water.

Reduce Fixture Wear

Prevent damage-causing scale buildup on faucets, sinks and tubs. Eliminate additional scrubbing that can cause premature wear.

Eliminate Hard Water Spots on Glassware and Flatware

Avoid hard water spots that can spoil customer experiences and require additional cleaning of dishes, glasses and flatware.

Prolong Linen and Textile Life

Prolong the life of commercial linens and textiles without the damaging effects of hard water minerals like premature wear and fading.

Provide a Better Customer Experience

Customers who use soft water for cleaning and bathing enjoy luxuriously softer, silkier skin and hair, and less soap and .

Additional Advantages for Steam Boiler Pretreatment

Reduce scale buildup that requires additional cleaning and downtime in commercial steam applications.

EcoWater Commercial Water Softening Systems

Economical, Heavy-Duty Water Conditioning for Steam Boilers, Hospitals, Hotels, Restaurants, and Other Industrial and Commercial Applications

For more than 90 years, EcoWater has been engineering and manufacturing the most innovative water treatment technologies available. That experience and ingenuity goes into every commercial series water softener we make. Our exacting standards make the EcoWater commercial series our most advanced commercial system ever and the optimal choice for your application.

The true test of even the most advanced water conditioning system is how well it softens water while conserving salt and water, and minimizing operator intervention. Our robust feature set provides distinct advantages that will allow your business to enjoy the benefits of soft water while saving considerable time and money.

- Single and Multi Tank Systems
- Demand Regeneration
- Countercurrent Regeneration
- Proportional Brining

- Non-Volatile Memory
- Turbine Meter with Low Flow Accuracy
- Water Totalizer
- Lockout Feature

EcoWater Has You Covered
Resin Tanks - 10 years
Salt Tanks – 3 years
Electronics – 3 years
Parts – 1 Year

Advanced Electronic Controls with EPA and Smart Memory

Sophisticated electronics serve as the brains of the EcoWater commercial series, constantly monitoring your water usage and automatically adjusting system performance for optimum operating efficiency, all while delivering the clean, soft water your business demands.

Using our exclusive EcoWater Predictive Algorithm (EPA), your system schedules regenerations based on your water demand instead of a preset schedule so it won't waste water and salt by cleaning itself unnecessarily. Unlike competitive systems that regenerate more often than necessary wasting water, salt, and wearing out system components earlier, EcoWater's commercial series regenerates only when necessary using up to 65 percent less water and 33 percent less salt.

Programmed memory is permanent, even during a power outage. And our permanent backup capacitor stores power to ensure operation during more than 48 hours of interrupted power.

Dependable, Reliable, Solid-State Controls with LCD Display

More accurate than systems with knobs or mechanical dials. No moving parts to wear out. Minimal maintenance. Set options at the touch of a button. The LCD control panel displays time, flow rates, regeneration time, hardness setting capacity remaining and other helpful information.

Industrial Grade High-Flow Six-Cycle Valve

Our patented six-cycle double disc valve delivers the high flow rates required by today's demanding applications allowing you to minimize system footprint without sacrificing performance. And our valves have fewer than 25 moving parts, so they require less service than competitive valves that commonly contain up to 85 components. Available in 1", 1-1/2" and 2" inlet/outlet sizes.

Turbine Flow Meter with Low Flow Accuracy

The turbine flow meter provides precise water usage information to the EcoWater Smart Control, even at flows as low as .2 gpm. The sensor and non-corrosive materials used in the turbine provide for long-term reliability.

24-Volt Power Supply

Our low voltage supply eliminates special wiring requirements, providing additional installation flexibility.

High Performance Softening Media

EcoWater uses only FDA-approved* long-lasting softening resin in every commercial softener to condition your water more effectively.

** Resin meets U.S. FDA Standard No. 21CFR173.2500.*

Washed Quartz Underbedding

Washed quartz doesn't impart hardness into softened water and allows for more powerful countercurrent regeneration.

Industrial Grade Media and Salt Storage Tanks

Durable, high-pressure resin tanks and rugged, long-lasting salt storage tanks withstand impact and environmental abuse.

Patented EcoGizer Regeneration

Not all water conditioners work the same way. Subtle changes in the process can have a big effect on the quality of your water. Here are some of the key features you'll find only with the EcoWater EcoGizer Regeneration Process that will save you money, hassle and time.

Countercurrent Flow

The softener cleans the resin bed in the opposite direction of the service flow, from the bottom up. This process raises the bed with a piston action, lifting the hardness up and out of the tank., a critical difference from other systems that use co-current regeneration (same direction as service flow). This older regeneration process deposits hardness from the top of the media bed into the cleaner resin below where it requires additional salt and water for removal.

Econo-Brine System with Positive Action Brine Valve and Dynamic Soft Water Brining

Makes only the amount of brine needed for regeneration. Keeps the salt tank free from the effects of hard water and allows for more efficient regenerations. Dry salt storage eliminates the need for a salt platform, helps prevent salt bridging and conserves salt. Positive action helps prevent overfilling and eliminates air draw during slow rinse cycle.

Adjustable Backwash

Features high flow backwash hardware to ensure proper bed cleaning. Customizable backwash duration based on initial water analysis.

Fast Rinse Cycle

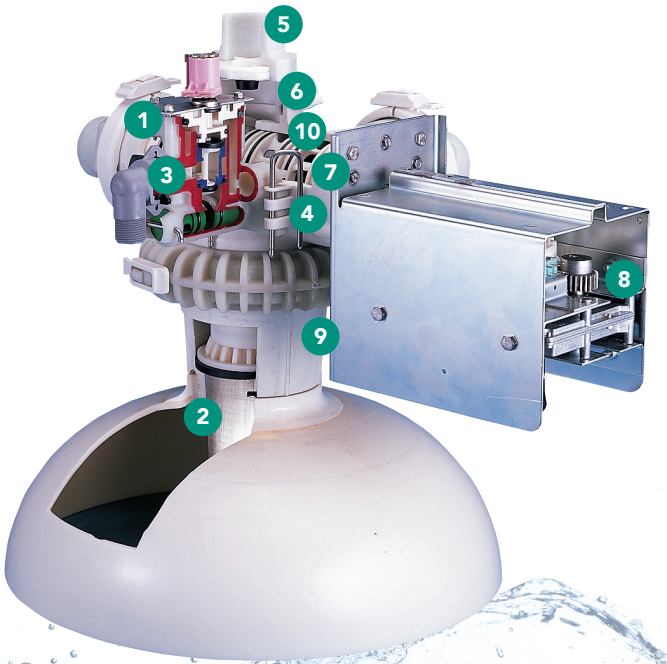
Provides a final media bed cleaning to prepare it for service.

Automatic Bypass

Provides water during regeneration should you need it.

Every business uses water differently. That's why flexibility is so important. EcoWater commercial water softeners remain among the best in class at conserving water and salt during the regeneration process and they're designed to match your specific usage requirements – today and tomorrow.

Additional Features that Make EcoWater's Commercial Series Best-in-Class.



1. Snap Clamp Rings for Ease of Connecting
2. Top Distributor Basket
3. Brine Make-Up Flow Control
4. Removable Aspirator
5. Up to 2" NPT Union Connections
6. Adjustable Backwash Flow Control
7. Up to 2" Ported Flow Passage in Plastic Valve Housing
8. High Torque 24 V-DC Motor
9. Valve Tank Adaptor Allows Easy Access into Tank with Clamp Ring Connector
10. High-Strength, Corrosion Resistant Piston

Commercial Heavy Duty Water System with 1" Ecowater Valve

Specifications

Salt Dosage[1]		EWS071S	EWS101S	EWS131S	EWS191S	EWS251S	EWS321S
		Grains Capacity[2]					
Grains Capacity at Salt Dosage	4 lbs./cu. ft.	37,000	54,000	72,000	108,000	144,000	180,000
	6 lbs./cu. ft.	50,000	72,000	96,000	144,000	192,000	240,000
	8 lbs./cu. ft.	61,000	84,000	112,000	168,000	224,000	280,000
	10 lbs./ cu. ft.	67,000	93,000	124,000	186,000	248,000	310,000
	12 lbs./ cu. ft.	71,000	99,000	132,000	198,000	264,000	330,000
Resin Tank Size (in.)		12.3" x 54"	17" x 58"	17" x 58"	24" x 72"	24" x 72"	24" x 72"
Resin Quantity (cu. ft.)		2	3	4	6	8	10
Connecting Pipe Size		1"	1"	1"	1"	1"	1"
Drain Line Connection Size (in.)		5/8" I.D. Hose	5/8" I.D. Hose	5/8" I.D. Hose	5/8" I.D. Hose	5/8" I.D. Hose	5/8" I.D. Hose
Salt Tank Size (in.)		17" x 38.5"	24" x 50.5"	24" x 50.5"	31" x 51"	31" x 51"	31" x 51"
Salt Tank Capacity (lbs.)		340	1,000	1,000	1,500	1,500	1,500
Operating Pressure		30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi
Operating Temperature		35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F
Max. Drain Flow (gpm)		5	7	7	10	10	10
Recharge Water Used (gal.)		108	166	180	286	293	302
Max. Clear Water Iron[3]		20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm
Electrical Rating		24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts

Flow rates and capacities shown are per tank. All systems are available in single, duplex, triplex and quadplex configurations.

[1] Salt dosages can be set to maintain desired efficiences or changed to auto adjusting, salt-efficiency or boiler option. See manual for details.

[2] Grains capacity is for counter-current regeneration sizing purposes. The actual capacity could be 5% - 10% greater than shown for each salt dosage.

[3] Increased amount of clear water iron (ferrous) can reduce softening efficiency and capacity. Periodic use of resin bed cleaner may be necessary. Iron removal will depend on water conditions (i.e. pH, hardneess, content and type of iron)

Operational Flows*

Model	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
	5 gpm	10 gpm	15 gpm	20 gpm	25 gpm	30 gpm	35 gpm	40 gpm
EWS070S	2.6 ΔP	6.6 ΔP	11.8 ΔP	18.3 ΔP	26.0 ΔP	34.8 ΔP	-	-
EWS100S	1.3 ΔP	3.8 ΔP	7.3 ΔP	11.8 ΔP	17.4 ΔP	24.1 ΔP	31.8 ΔP	-
EWS130S	1.4 ΔP	4.0 ΔP	7.8 ΔP	12.7 ΔP	18.6 ΔP	25.7 ΔP	33.7 ΔP	-
EWS190S	1.2 ΔP	3.1 ΔP	6.3 ΔP	10.5 ΔP	16.3 ΔP	21.9 ΔP	29.1 ΔP	37.3 ΔP
EWS250S	1.2 ΔP	3.3 ΔP	6.6 ΔP	10.9 ΔP	16.8 ΔP	22.6 ΔP	30.0 ΔP	38.4 ΔP
EWS320S	1.2 ΔP	3.5 ΔP	6.9 ΔP	11.3 ΔP	17.3 ΔP	23.3 ΔP	30.9 ΔP	39.5 ΔP

System design flow rates

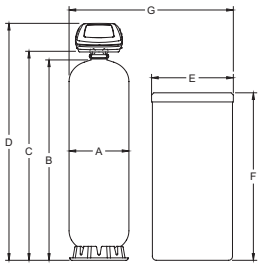
For intermittent use only

Not for use at these flow rates

* Data obtained from tests run by the University of Minnesota St. Anthony Falls Engineering Lab and is based on non-fouled filters.

All specifications listed are for SINGLE unit operation.

Dimensions



Model	A Resin Tank Diameter	B Resin Tank Height	C Inlet - Outlet Height	D Overall Height	E Brine Tank Diameter	F Brine Tank Height	G Simplex
EWS070	12.3"	55"	58"	63.75"	17"	38.5"	36"
EWS100, EWS130	17.6"	59.5"	62.5"	68.25"	24"	50.5"	48"
EWS190, EWS250, EWS320	24"	72"	79.8"	85.5"	31"	51"	61"

Duplex = 1 Brine Tank | Triplex = 2 Brine Tanks | Quadplex = 2 Brine Tanks

EcoWater Commercial Water Softening Systems' Commercial Universal Control can control systems of up to 4 units in single, alternating, parallel immediate, parallel delayed and peak flow configurations. 1" System Performance Data

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS071S	EWS071D	EWS071T	EWS071Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	37,000	74,000	111,000	148,000
6 lbs./cu. ft.	50,000	100,000	150,000	200,000
8 lbs./cu. ft.	61,000	122,000	183,000	244,000
10 lbs./cu. ft.	67,000	134,000	201,000	268,000
12 lbs./cu. ft.	71,000	142,000	213,000	284,000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	5	10	15	20	25	30	35	40
EWS071S	2.6 ΔP	6.6 ΔP	11.8 ΔP	18.3 ΔP	26.0 ΔP	34.8 ΔP	-	-
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS071D	2.6 ΔP	6.6 ΔP	11.8 ΔP	18.3 ΔP	26.0 ΔP	34.8 ΔP	-	-
Flow Rate (GPM)	15	30	45	60	75	90	105	120
EWS071T	2.6 ΔP	6.6 ΔP	11.8 ΔP	18.3 ΔP	26.0 ΔP	34.8 ΔP	-	-
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS071Q	2.6 ΔP	6.6 ΔP	11.8 ΔP	18.3 ΔP	26.0 ΔP	34.8 ΔP	-	-

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS101S	EWS101D	EWS101T	EWS101Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	54,000	108,000	162,000	216,000
6 lbs./cu. ft.	72,000	144,000	216,000	288,000
8 lbs./cu. ft.	84,000	168,000	252,000	336,000
10 lbs./cu. ft.	93,000	186,000	279,000	372,000
12 lbs./cu. ft.	99,000	198,000	297,000	396,000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	5	10	15	20	25	30	35	40
EWS101S	1.3 ΔP	3.8 ΔP	7.3 ΔP	11.8 ΔP	17.4 ΔP	24.1 ΔP	31.8 ΔP	-
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS101D	1.3 ΔP	3.8 ΔP	7.3 ΔP	11.8 ΔP	17.4 ΔP	24.1 ΔP	31.8 ΔP	-
Flow Rate (GPM)	15		45	60	75	90	105	120
EWS101T	1.3 ΔP	3.8 ΔP	7.3 ΔP	11.8 ΔP	17.4 ΔP	24.1 ΔP	31.8 ΔP	-
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS101Q	1.3 ΔP	3.8 ΔP	7.3 ΔP	11.8 ΔP	17.4 ΔP	24.1 ΔP	31.8 ΔP	-

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS131S	EWS131D	EWS131T	EWS131Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	72,000	144,000	216,000	288,000
6 lbs./cu. ft.	96,000	192,000	288,000	384,000
8 lbs./cu. ft.	112,000	224,000	336,000	448,000
10 lbs./cu. ft.	124,000	248,000	372,000	496,000
12 lbs./cu. ft.	132,000	264,000	396,000	528,000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	5	10	15	20	25	30	35	40
EWS131S	1.4 ΔP	4.0 ΔP	7.8 ΔP	12.7 ΔP	18.6 ΔP	25.7 ΔP	33.7 ΔP	-
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS131D	1.4 ΔP	4.0 ΔP	7.8 ΔP	12.7 ΔP	18.6 ΔP	25.7 ΔP	33.7 ΔP	-
Flow Rate (GPM)	15	30	45	60	75	90	105	120
EWS131T	1.4 ΔP	4.0 ΔP	7.8 ΔP	12.7 ΔP	18.6 ΔP	25.7 ΔP	33.7 ΔP	-
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS131Q	1.4 ΔP	4.0 ΔP	7.8 ΔP	12.7 ΔP	18.6 ΔP	25.7 ΔP	33.7 ΔP	-

System design flow rates | For intermittent use only | Not for use at these flow rates

EcoWater Commercial Water Softening Systems' Commercial Universal Control can control systems of up to 4 units in single, alternating, parallel immediate, parallel delayed and peak flow configurations. 1" System Performance Data (Continued)

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS191S	EWS191D	EWS191T	EWS191Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	108,000	216,000	324,000	432,000
6 lbs./cu. ft.	144,000	288,000	432,000	576,000
8 lbs./cu. ft.	168,000	336,000	504,000	672,000
10 lbs./cu. ft.	186,000	372,000	558,000	744,000
12 lbs./cu. ft.	198,000	396,000	594,000	792,000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	5	10	15	20	25	30	35	40
EWS191S	1.2 ΔP	3.1 ΔP	6.3 ΔP	10.5 ΔP	16.3 ΔP	21.9 ΔP	29.1 ΔP	37.3 ΔP
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS191D	1.2 ΔP	3.1 ΔP	6.3 ΔP	10.5 ΔP	16.3 ΔP	21.9 ΔP	29.1 ΔP	37.3 ΔP
Flow Rate (GPM)	15	30	45	60	75	90	105	120
EWS191T	1.2 ΔP	3.1 ΔP	6.3 ΔP	10.5 ΔP	16.3 ΔP	21.9 ΔP	29.1 ΔP	37.3 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS191Q	1.2 ΔP	3.1 ΔP	6.3 ΔP	10.5 ΔP	16.3 ΔP	21.9 ΔP	29.1 ΔP	37.3 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS251S	EWS251D	EWS251T	EWS251Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	144,000	288,000	432,000	576,000
6 lbs./cu. ft.	192,000	384,000	576,000	768,000
8 lbs./cu. ft.	224,000	448,000	672,000	896,000
10 lbs./cu. ft.	248,000	496,000	744,000	992,000
12 lbs./cu. ft.	264,000	528,000	792,000	1,056,000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	5	10	15	20	25	30	35	40
EWS251S	1.2 ΔP	3.3 ΔP	6.6 ΔP	10.9 ΔP	16.8 ΔP	22.6 ΔP	30.0 ΔP	38.4 ΔP
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS251D	1.2 ΔP	3.3 ΔP	6.6 ΔP	10.9 ΔP	16.8 ΔP	22.6 ΔP	30.0 ΔP	38.4 ΔP
Flow Rate (GPM)	15	30	45	60	75	90	105	120
EWS251T	1.2 ΔP	3.3 ΔP	6.6 ΔP	10.9 ΔP	16.8 ΔP	22.6 ΔP	30.0 ΔP	38.4 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS251Q	1.2 ΔP	3.3 ΔP	6.6 ΔP	10.9 ΔP	16.8 ΔP	22.6 ΔP	30.0 ΔP	38.4 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS321S	EWS321D	EWS321T	EWS321Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	180,000	360,000	540,000	720,000
6 lbs./cu. ft.	240,000	480,000	720,000	960,000
8 lbs./cu. ft.	280,000	560,000	840,000	1,120,000
10 lbs./cu. ft.	310,000	620,000	930,000	1,240,000
12 lbs./cu. ft.	330,000	660,000	990,000	1,320,000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	5	10	15	20	25	30	35	40
EWS321S	1.2 ΔP	3.5 ΔP	6.9 ΔP	11.3 ΔP	17.3 ΔP	23.3 ΔP	30.9 ΔP	39.5 ΔP
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS321D	1.2 ΔP	3.5 ΔP	6.9 ΔP	11.3 ΔP	17.3 ΔP	23.3 ΔP	30.9 ΔP	39.5 ΔP
Flow Rate (GPM)	15	30	45	60	75	90	105	120
EWS321T	1.2 ΔP	3.5 ΔP	6.9 ΔP	11.3 ΔP	17.3 ΔP	23.3 ΔP	30.9 ΔP	39.5 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS321Q	1.2 ΔP	3.5 ΔP	6.9 ΔP	11.3 ΔP	17.3 ΔP	23.3 ΔP	30.9 ΔP	39.5 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Commercial Heavy Duty Water System with 1-1/2" Eco Flow-Pack Valve

Specifications

Salt Dosage[1]		EWS1015S	EWS1315S	EWS1615S	EWS1915S	EWS2515S	EWS3215S	EWS3615S	EWS4515S
		Grains Capacity[2]							
Grains Capacity at Salt Dosage	4 lbs./cu. ft.	54,000	72,000	90,000	108,000	144,000	180,000	216,000	270,000
	6 lbs./cu. ft.	72,000	96,000	120,000	144,000	192,000	240,000	288,000	360,000
	8 lbs./cu. ft.	84,000	112,000	140,000	168,000	224,000	280,000	336,000	420,000
	10 lbs./ cu. ft.	93,000	124,000	155,000	186,000	248,000	310,000	372,000	465,000
	12 lbs./ cu. ft.	99,000	132,000	165,000	198,000	264,000	330,000	396,000	495,000
Resin Tank Size (in.)		17" x 58"	17" x 58"	17" x 72"	24" x 72"	24" x 72"	24" x 72"	30" x 72"	30" x 72"
Resin Quantity (cu. ft.)		3	4	5	6	8	10	12	15
Connecting Pipe Size		1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT
Drain Line Connection Size (in.)		1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT
Salt Tank Size (in.)		24"x 50"	24"x 50"	24"x 50"	31" x 51"	31" x 51"	31" x 51"	41" x 51"	41" x 51"
Salt Tank Capacity (lbs.)		1,000	1,000	1,000	1,500	1,500	1,500	2,500	2,500
Operating Pressure		30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi
Operating Temperature		35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F
Max. Drain Flow (gpm)		7	7	7	12	12	12	24	24
Recharge Water Used (gal.)		151	166	181	271	302	332	543	588
Max. Clear Water Iron[3]		20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm
Electrical Rating		24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts

Flow rates and capacities shown are per tank. All systems are available in single, duplex, triplex and quadplex configurations.

[1] Salt dosages can be set to maintain desired efficiences or changed to auto adjusting, salt-efficiency or boiler option. See manual for details.

[2] Grains capacity is for counter-current regeneration sizing purposes. The actual capacity could be 5% - 10% greater than shown for each salt dosage.

[3] Increased amount of clear water iron (ferrous) can reduce softening efficiency and capacity. Periodic use of resin bed cleaner may be necessary. Iron removal will depend on water conditions (i.e. pH, hardneess, content and type of iron)

Operational Flows*

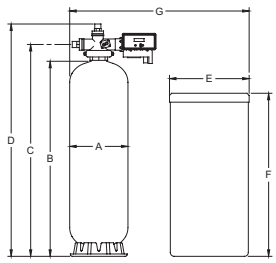
Model	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
	10 gpm	20 gpm	30 gpm	40 gpm	50 gpm	60 gpm	70 gpm
EWS1015S	1.5 ΔP	3.5 ΔP	7 ΔP	10.5 ΔP	16 ΔP	20.4 ΔP	-
EWS1315S	2 ΔP	4.5 ΔP	8.5 ΔP	12.5 ΔP	18 ΔP	19 ΔP	33.9 ΔP
EWS1615S	2.5 ΔP	5 ΔP	10 ΔP	14.5 ΔP	21.4 ΔP	26.9 ΔP	37.9 ΔP
EWS1915S	1 ΔP	2 ΔP	4 ΔP	8 ΔP	12.4 ΔP	15.9 ΔP	23.9 ΔP
EWS2515S	1 ΔP	2.5 ΔP	5.5 ΔP	8.5 ΔP	12.9 ΔP	16.4 ΔP	24.9 ΔP
EWS3215S	1 ΔP	3 ΔP	6 ΔP	9 ΔP	13.9 ΔP	17.9 ΔP	26.9 ΔP
EWS3615S	-	2 ΔP	4.5 ΔP	7 ΔP	10.9 ΔP	13.9 ΔP	21.9 ΔP
EWS4515S	-	2.5 ΔP	5 ΔP	6.5 ΔP	10.5 ΔP	14.9 ΔP	20.9 ΔP

System design flow rates

For intermittent use only

Not for use at these flow rates

All specifications listed are for SINGLE unit operation.



Model	A Resin Tank Diameter	B Resin Tank Height	C Inlet - Outlet Height	D Overall Height	E Brine Tank Diameter	F Brine Tank Height	G Simplex
EWS1015, EWS1315	17"	58"	64"	70.5"	24"	50"	44"
EWS1615	17"	72"	77"	83.5"	24"	50"	44"
EWS1915, EWS2515, EWS3215	24"	72"	77"	83.5"	31"	51"	59"
EWS3615, EWS4515	30"	72"	81"	87.5"	41"	51"	75"

Duplex = 1 Brine Tank | Triplex = 2 Brine Tanks | Quadplex = 2 Brine Tanks

EcoWater Commercial Water Softening Systems' Commercial Universal Control can control systems of up to 4 units in single, alternating, parallel immediate, parallel delayed and peak flow configurations. 1.5" System Performance Data

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS1015S	EWS1015D	EWS1015T	EWS1015Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	54,000	108000	162000	216000
6 lbs./cu. ft.	72,000	144000	216000	288000
8 lbs./cu. ft.	84,000	168000	252000	336000
10 lbs./cu. ft.	93,000	186000	279000	372000
12 lbs./cu. ft.	99,000	198000	297000	396000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	10	20	30	40	50	60	70
PA1015S	1.5 ΔP	3.5 ΔP	7 ΔP	10.5 ΔP	16 ΔP	20.4 ΔP	-
Flow Rate (GPM)	20	40	60	80	100	120	140
PA1015D	1.5 ΔP	3.5 ΔP	7 ΔP	10.5 ΔP	16 ΔP	20.4 ΔP	-
Flow Rate (GPM)	30	60	90	120	150	180	210
PA1015T	1.5 ΔP	3.5 ΔP	7 ΔP	10.5 ΔP	16 ΔP	20.4 ΔP	-
Flow Rate (GPM)	40	60	90	120	150	180	210
PA1015Q	1.5 ΔP	3.5 ΔP	7 ΔP	10.5 ΔP	16 ΔP	20.4 ΔP	-

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS1315S	EWS1315D	EWS1315T	EWS1315Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	72,000	144000	216000	288000
6 lbs./cu. ft.	96,000	192000	288000	384000
8 lbs./cu. ft.	112,000	224000	336000	448000
10 lbs./cu. ft.	124,000	248000	372000	496000
12 lbs./cu. ft.	132,000	264000	396000	528000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	10	20	30	40	50	60	70
PA1315S	2 ΔP	4.5 ΔP	8.5 ΔP	12.5 ΔP	18 ΔP	19 ΔP	33.9 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140
PA1315D	2 ΔP	4.5 ΔP	8.5 ΔP	12.5 ΔP	18 ΔP	19 ΔP	33.9 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210
PA1315T	2 ΔP	4.5 ΔP	8.5 ΔP	12.5 ΔP	18 ΔP	19 ΔP	33.9 ΔP
Flow Rate (GPM)	40	60	90	120	150	180	210
PA1315Q	2 ΔP	4.5 ΔP	8.5 ΔP	12.5 ΔP	18 ΔP	19 ΔP	33.9 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS1615S	EWS1615D	EWS1615T	EWS1615Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	90,000	180000	270000	360000
6 lbs./cu. ft.	120,000	240000	360000	480000
8 lbs./cu. ft.	140,000	280000	420000	560000
10 lbs./cu. ft.	155,000	310000	465000	620000
12 lbs./cu. ft.	165,000	330000	495000	660000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	10	20	30	40	50	60	70
PA1615S	2.5 ΔP	5 ΔP	10 ΔP	14.5 ΔP	21.4 ΔP	26.9 ΔP	37.9 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140
PA1615D	2.5 ΔP	5 ΔP	10 ΔP	14.5 ΔP	21.4 ΔP	26.9 ΔP	37.9 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210
PA1615T	2.5 ΔP	5 ΔP	10 ΔP	14.5 ΔP	21.4 ΔP	26.9 ΔP	37.9 ΔP
Flow Rate (GPM)	40	60	90	120	150	180	210
PA1615Q	2.5 ΔP	5 ΔP	10 ΔP	14.5 ΔP	21.4 ΔP	26.9 ΔP	37.9 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS1915S	EWS1915D	EWS1915T	EWS1915Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	108,000	216000	324000	432000
6 lbs./cu. ft.	144,000	288000	432000	576000
8 lbs./cu. ft.	168,000	336000	504000	672000
10 lbs./cu. ft.	186,000	372000	558000	744000
12 lbs./cu. ft.	198,000	396000	594000	792000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	10	20	30	40	50	60	70
PA1915S	1 ΔP	2 ΔP	4 ΔP	8 ΔP	12.4 ΔP	15.9 ΔP	23.9 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140
PA1915D	1 ΔP	2 ΔP	4 ΔP	8 ΔP	12.4 ΔP	15.9 ΔP	23.9 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210
PA1915T	1 ΔP	2 ΔP	4 ΔP	8 ΔP	12.4 ΔP	15.9 ΔP	23.9 ΔP
Flow Rate (GPM)	40	60	90	120	150	180	210
PA1915Q	1 ΔP	2 ΔP	4 ΔP	8 ΔP	12.4 ΔP	15.9 ΔP	23.9 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

EcoWater Commercial Water Softening Systems' Commercial Universal Control can control systems of up to 4 units in single, alternating, parallel immediate, parallel delayed and peak flow configurations. 1.5" System Performance Data (Continued)

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS2515S	EWS2515D	EWS2515T	EWS2515Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	144,000	288000	432000	576000
6 lbs./cu. ft.	192,000	384000	576000	768000
8 lbs./cu. ft.	224,000	448000	672000	896000
10 lbs./cu. ft.	248,000	496000	744000	992000
12 lbs./cu. ft.	264,000	528000	792000	1056000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	10	20	30	40	50	60	70
PA2515S	1 ΔP	2.5 ΔP	5.5 ΔP	8.5 ΔP	12.9 ΔP	16.4 ΔP	24.9 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140
PA2515D	1 ΔP	2.5 ΔP	5.5 ΔP	8.5 ΔP	12.9 ΔP	16.4 ΔP	24.9 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210
PA2515T	1 ΔP	2.5 ΔP	5.5 ΔP	8.5 ΔP	12.9 ΔP	16.4 ΔP	24.9 ΔP
Flow Rate (GPM)	40	60	90	120	150	180	210
PA2515Q	1 ΔP	2.5 ΔP	5.5 ΔP	8.5 ΔP	12.9 ΔP	16.4 ΔP	24.9 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS3215S	EWS3215D	EWS3215T	EWS3215Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	180,000	360000	540000	720000
6 lbs./cu. ft.	240,000	480000	720000	960000
8 lbs./cu. ft.	280,000	560000	840000	1120000
10 lbs./cu. ft.	310,000	620000	930000	1240000
12 lbs./cu. ft.	330,000	660000	990000	1320000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	10	20	30	40	50	60	70
PA3215S	1 ΔP	3 ΔP	6 ΔP	9 ΔP	13.9 ΔP	17.9 ΔP	26.9 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140
PA3215D	1 ΔP	3 ΔP	6 ΔP	9 ΔP	13.9 ΔP	17.9 ΔP	26.9 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210
PA3215T	1 ΔP	3 ΔP	6 ΔP	9 ΔP	13.9 ΔP	17.9 ΔP	26.9 ΔP
Flow Rate (GPM)	40	60	90	120	150	180	210
PA3215Q	1 ΔP	3 ΔP	6 ΔP	9 ΔP	13.9 ΔP	17.9 ΔP	26.9 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS3615S	EWS3615D	EWS3615T	EWS3615Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	216,000	432000	648000	864000
6 lbs./cu. ft.	288,000	576000	864000	1152000
8 lbs./cu. ft.	336,000	672000	1008000	1344000
10 lbs./cu. ft.	372,000	744000	1116000	1488000
12 lbs./cu. ft.	396,000	792000	1188000	1584000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	10	20	30	40	50	60	70
PA3615S	-	2 ΔP	4.5 ΔP	7 ΔP	10.9 ΔP	13.9 ΔP	21.9 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140
PA3615D	-	2 ΔP	4.5 ΔP	7 ΔP	10.9 ΔP	13.9 ΔP	21.9 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210
PA3615T	-	2 ΔP	4.5 ΔP	7 ΔP	10.9 ΔP	13.9 ΔP	21.9 ΔP
Flow Rate (GPM)	40	60	90	120	150	180	210
PA3615Q	-	2 ΔP	4.5 ΔP	7 ΔP	10.9 ΔP	13.9 ΔP	21.9 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS4515S	EWS4515D	EWS4515T	EWS4515Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	270,000	540000	810000	1080000
6 lbs./cu. ft.	360,000	720000	1080000	1440000
8 lbs./cu. ft.	420,000	840000	1260000	1680000
10 lbs./cu. ft.	465,000	930000	1395000	1860000
12 lbs./cu. ft.	495,000	990000	1485000	1980000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)						
Flow Rate (GPM)	20	20	30	40	50	60	70
PA4515S	-	2.5 ΔP	5 ΔP	6.5 ΔP	10.5 ΔP	14.9 ΔP	20.9 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140
PA4515D	-	2.5 ΔP	5 ΔP	6.5 ΔP	10.5 ΔP	14.9 ΔP	20.9 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210
PA4515T	-	2.5 ΔP	5 ΔP	6.5 ΔP	10.5 ΔP	14.9 ΔP	20.9 ΔP
Flow Rate (GPM)	40	60	90	120	150	180	210
PA4515Q	-	2.5 ΔP	5 ΔP	6.5 ΔP	10.5 ΔP	14.9 ΔP	20.9 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

Commercial Heavy Duty Water System with 2" Eco Flow-Pack Valve

Salt Dosage[1]		EWS102S	EWS132S	EWS162S	EWS192S	EWS252S	EWS322S	EWS362S	EWS452S	EWS602S
		Grains Capacity[2]								
Grains Capacity at Salt Dosage	4 lbs./cu. ft.	54,000	72,000	90,000	108,000	144,000	180,000	216,000	270,000	360,000
	6 lbs./cu. ft.	72,000	96,000	120,000	144,000	192,000	240,000	288,000	360,000	480,000
	8 lbs./cu. ft.	84,000	112,000	140,000	168,000	224,000	280,000	336,000	420,000	560,000
	10 lbs./cu. ft.	93,000	124,000	155,000	186,000	248,000	310,000	372,000	465,000	620,000
	12 lbs./cu. ft.	99,000	132,000	165,000	198,000	264,000	330,000	396,000	495,000	660,000
Resin Tank Size (in.)		17" x 58"	17" x 58"	17" x 72"	24" x 72"	24" x 72"	24" x 72"	30" x 72"	30" x 72"	36" x 72"
Resin Quantity (cu. ft.)		3	4	5	6	8	10	12	15	20
Connecting Pipe Size		2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
Drain Line Connection Size (in.)		2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
Salt Tank Size (in.)		24" x 50"	24" x 50"	24" x 50"	31" x 51"	31" x 51"	31" x 51"	41" x 51"	41" x 51"	41" x 51"
Salt Tank Capacity (lbs.)		1,000	1,000	1,000	1,500	1,500	1,500	2,500	2,500	2,500
Operating Pressure		30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi
Operating Temperature		35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F
Max. Drain Flow (gpm)		7	7	7	12	12	12	24	24	32
Recharge Water Used (gal.)		151	166	181	271	302	332	543	588	784
Max. Clear Water Iron[3]		20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm	20 ppm
Electrical Rating		24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts	24VDC - 65 Watts

Flow rates and capacities shown are per tank. All systems are available in single, duplex, triplex and quadplex configurations.

[1] Salt dosages can be set to maintain desired efficiences or changed to auto adjusting, salt-efficiency or boiler option. See manual for details.

[2] Grains capacity is for counter-current regeneration sizing purposes. The actual capacity could be 5% - 10% greater than shown for each salt dosage.

[3] Increased amount of clear water iron (ferrous) can reduce softening efficiency and capacity. Periodic use of resin bed cleaner may be necessary. Iron removal will depend on water conditions (i.e. pH, hardneess, content and type of iron)

Model	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)											
	10 gpm	20 gpm	30 gpm	40 gpm	50 gpm	60 gpm	70 gpm	80 gpm	90 gpm	100 gpm	110 gpm	120 gpm
EWS102S	1.5 ΔP	3.5 ΔP	6 ΔP	9 ΔP	12.5 ΔP	16.5 ΔP	-	-	-	-	-	-
EWS132S	2 ΔP	4.5 ΔP	7.5 ΔP	11 ΔP	15.5 ΔP	20 ΔP	25 ΔP	-	-	-	-	-
EWS162S	2.5 ΔP	5 ΔP	9 ΔP	13 ΔP	18 ΔP	23 ΔP	29 ΔP	35 ΔP	-	-	-	-
EWS192S	1 ΔP	2 ΔP	4 ΔP	6.5 ΔP	9 ΔP	12 ΔP	15 ΔP	19 ΔP	23 ΔP	-	-	-
EWS252S	1 ΔP	2.5 ΔP	4.5 ΔP	7 ΔP	9.5 ΔP	12.5 ΔP	16 ΔP	20 ΔP	24 ΔP	28 ΔP	-	-
EWS322S	1 ΔP	3 ΔP	5 ΔP	7.5 ΔP	10.5 ΔP	14 ΔP	18 ΔP	22 ΔP	26 ΔP	31 ΔP	-	-
EWS362S	-	2 ΔP	3.5 ΔP	5.5 ΔP	7.5 ΔP	10 ΔP	13 ΔP	16 ΔP	20 ΔP	23 ΔP	27 ΔP	31 ΔP
EWS452S	-	2.5 ΔP	4 ΔP	6 ΔP	8 ΔP	11 ΔP	14 ΔP	17 ΔP	21 ΔP	25 ΔP	29 ΔP	33 ΔP
EWS602S	-	-	3 ΔP	5 ΔP	7 ΔP	9 ΔP	12 ΔP	15 ΔP	18 ΔP	21 ΔP	25 ΔP	29 ΔP

System design flow rates

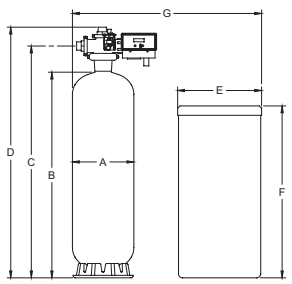
For intermittent use only

Not for use at these flow rates

* Data obtained from tests run by the University of Minnesota St. Anthony Falls Engineering Lab and is based on non-fouled filters.

All specifications listed are for SINGLE unit operation.

Dimensions



Model	A Resin Tank Diameter	B Resin Tank Height	C Inlet - Outlet Height	D Overall Height	E Brine Tank Diameter	F Brine Tank Height	G Simplex
EWS102, EWS132	17"	58"	64"	70.5"	24"	50"	44"
EWS162	17"	72"	77"	83.5"	24"	50"	44"
EWS192, EWS252, EWS322	24"	72"	77"	83.5"	31"	51"	59"
EWS362, EWS452	30"	72"	81"	87.5"	41"	51"	75"
EWS602	36"	72"	88.5"	94"	41"	51"	80"

Duplex = 1 Brine Tank | Triplex = 2 Brine Tanks | Quadplex = 2 Brine Tanks

EcoWater Commercial Water Softening Systems' Commercial Universal Control can control systems of up to 4 units in single, alternating, parallel immediate, parallel delayed and peak flow configurations. 2" System Performance Data

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS102S	EWS102D	EWS102T	EWS102Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	54,000	108000	162000	216000
6 lbs./cu. ft.	72,000	144000	216000	288000
8 lbs./cu. ft.	84,000	168000	252000	336000
10 lbs./cu. ft.	93,000	186000	279000	372000
12 lbs./cu. ft.	99,000	198000	297000	396000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS102S	1.5 ΔP	3.5 ΔP	6 ΔP	9 ΔP	12.5 ΔP	16.5 ΔP	-	-
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS102D	1.5 ΔP	3.5 ΔP	6 ΔP	9 ΔP	12.5 ΔP	16.5 ΔP	-	-
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS102T	1.5 ΔP	3.5 ΔP	6 ΔP	9 ΔP	12.5 ΔP	16.5 ΔP	-	-
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS102Q	1.5 ΔP	3.5 ΔP	6 ΔP	9 ΔP	12.5 ΔP	16.5 ΔP	-	-

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS132S	EWS132D	EWS132T	EWS132Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	72,000	144000	216000	288000
6 lbs./cu. ft.	96,000	192000	288000	384000
8 lbs./cu. ft.	112,000	224000	336000	448000
10 lbs./cu. ft.	124,000	248000	372000	496000
12 lbs./cu. ft.	132,000	264000	396000	528000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS132S	2 ΔP	4.5 ΔP	7.5 ΔP	11 ΔP	15.5 ΔP	20 ΔP	25 ΔP	-
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS132D	2 ΔP	4.5 ΔP	7.5 ΔP	11 ΔP	15.5 ΔP	20 ΔP	25 ΔP	-
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS132T	2 ΔP	4.5 ΔP	7.5 ΔP	11 ΔP	15.5 ΔP	20 ΔP	25 ΔP	-
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS132Q	2 ΔP	4.5 ΔP	7.5 ΔP	11 ΔP	15.5 ΔP	20 ΔP	25 ΔP	-

System design flow rates | For intermittent use only | Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS162S	EWS162D	EWS162T	EWS162Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	90,000	180000	270000	360000
6 lbs./cu. ft.	120,000	240000	360000	480000
8 lbs./cu. ft.	140,000	280000	420000	560000
10 lbs./cu. ft.	155,000	310000	465000	620000
12 lbs./cu. ft.	165,000	330000	495000	660000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS162S	2.5 ΔP	5 ΔP	9 ΔP	13 ΔP	18 ΔP	23 ΔP	29 ΔP	35 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS162D	5 ΔP	5 ΔP	9 ΔP	3 ΔP	18 ΔP	23 ΔP	29 ΔP	35 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS162T	5 ΔP	ΔP	ΔP	ΔP	18 ΔP	23 ΔP	29 ΔP	35 ΔP
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS162Q	ΔP	ΔP	ΔP	ΔP	18 ΔP	23 ΔP	29 ΔP	35 ΔP

System design flow rates | For intermittent use only | Not for use at these flow rates

EcoWater Commercial Water Softening Systems' Commercial Universal Control can control systems of up to 4 units in single, alternating, parallel immediate, parallel delayed and peak flow configurations. 2" System Performance Data (Continued)

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS192S	EWS192D	EWS192T	EWS192Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	108,000	216000	324000	432000
6 lbs./cu. ft.	144,000	288000	432000	576000
8 lbs./cu. ft.	168,000	336000	504000	672000
10 lbs./cu. ft.	186,000	372000	558000	744000
12 lbs./cu. ft.	198,000	396000	594000	792000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS192S	1 ΔP	2 ΔP	4 ΔP	6.5 ΔP	9 ΔP	12 ΔP	15 ΔP	19 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS192D	1 ΔP	2 ΔP	4 ΔP	6.5 ΔP	9 ΔP	12 ΔP	15 ΔP	19 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS192T	1 ΔP	2 ΔP	4 ΔP	6.5 ΔP	9 ΔP	12 ΔP	15 ΔP	19 ΔP
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS192Q	1 ΔP	2 ΔP	4 ΔP	6.5 ΔP	9 ΔP	12 ΔP	15 ΔP	19 ΔP

System design flow rates For intermittent use only

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS252S	EWS252D	EWS252T	EWS252Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	144,000	288000	432000	576000
6 lbs./cu. ft.	192,000	384000	576000	768000
8 lbs./cu. ft.	224,000	448000	672000	896000
10 lbs./cu. ft.	248,000	496000	744000	992000
12 lbs./cu. ft.	264,000	528000	792000	1056000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS252S	1 ΔP	2.5 ΔP	4.5 ΔP	7 ΔP	9.5 ΔP	12.5 ΔP	16 ΔP	20 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS252D	1 ΔP	2.5 ΔP	4.5 ΔP	7 ΔP	9.5 ΔP	12.5 ΔP	16 ΔP	20 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS252T	1 ΔP	2.5 ΔP	4.5 ΔP	7 ΔP	9.5 ΔP	12.5 ΔP	16 ΔP	20 ΔP
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS252Q	1 ΔP	.5 ΔP	4.5 ΔP	7 ΔP	9.5 ΔP	12.5 ΔP	16 ΔP	20 ΔP

System design flow rates For intermittent use only

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS322S	EWS322D	EWS322T	EWS322Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	180,000	360000	540000	720000
6 lbs./cu. ft.	240,000	480000	720000	960000
8 lbs./cu. ft.	280,000	560000	840000	1120000
10 lbs./cu. ft.	310,000	620000	930000	1240000
12 lbs./cu. ft.	330,000	660000	990000	1320000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS322S	1 ΔP	3 ΔP	5 ΔP	7.5 ΔP	10.5 ΔP	14 ΔP	18 ΔP	22 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS322D	1 ΔP	3 ΔP	5 ΔP	7.5 ΔP	10.5 ΔP	14 ΔP	18 ΔP	22 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS322T	1 ΔP	3 ΔP	5 ΔP	7.5 ΔP	10.5 ΔP	14 ΔP	18 ΔP	22 ΔP
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS322Q	1 ΔP	3 ΔP	5 ΔP	5 ΔP	10.5 ΔP	14 ΔP	18 ΔP	22 ΔP

System design flow rates For intermittent use only

EcoWater Commercial Water Softening Systems' Commercial Universal Control can control systems of up to 4 units in single, alternating, parallel immediate, parallel delayed and peak flow configurations. 2" System Performance Data (Continued)

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS362S	EWS362D	EWS362T	EWS362Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	216,000	432000	648000	864000
6 lbs./cu. ft.	288,000	576000	864000	1152000
8 lbs./cu. ft.	336,000	672000	1008000	1344000
10 lbs./cu. ft.	372,000	744000	1116000	1488000
12 lbs./cu. ft.	396,000	792000	1188000	1584000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS362S	-	2 ΔP	3.5 ΔP	5.5 ΔP	7.5 ΔP	10 ΔP	13 ΔP	16 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS362D	-	2 ΔP	3.5 ΔP	5.5 ΔP	7.5 ΔP	10 ΔP	13 ΔP	16 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS362T	-	2 ΔP	3.5 ΔP	5.5 ΔP	7.5 ΔP	10 ΔP	13 ΔP	16 ΔP
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS362Q	-	2 ΔP	3.5 ΔP	5.5 ΔP	7.5 ΔP	10 ΔP	13 ΔP	16 ΔP

System design flow rates Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS452S	EWS452D	EWS452T	EWS452Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	270,000	540000	810000	1080000
6 lbs./cu. ft.	360,000	720000	1080000	1440000
8 lbs./cu. ft.	420,000	840000	1260000	1680000
10 lbs./cu. ft.	465,000	930000	1395000	1860000
12 lbs./cu. ft.	495,000	990000	1485000	1980000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS452S	-	2.5 ΔP	4 ΔP	6 ΔP	8 ΔP	11 ΔP	14 ΔP	17 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS452D	-	2.5 ΔP	4 ΔP	6 ΔP	8 ΔP	11 ΔP	14 ΔP	17 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS452T	-	2.5 ΔP	4 ΔP	6 ΔP	8 ΔP	11 ΔP	14 ΔP	17 ΔP
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS452Q	-	2.5 ΔP	4 ΔP	6 ΔP	8 ΔP	11 ΔP	14 ΔP	17 ΔP

System design flow rates Not for use at these flow rates

Specifications S = Single D = Duplex T = Triplex Q = Quadplex

MODEL	EWS602S	EWS602D	EWS602T	EWS602Q
SALT DOSAGE	Grains Capacity			
4 lbs./cu. ft.	360,000	720000	1080000	1440000
6 lbs./cu. ft.	480,000	960000	1440000	1920000
8 lbs./cu. ft.	560,000	1120000	1680000	2240000
10 lbs./cu. ft.	620,000	1240000	1860000	2480000
12 lbs./cu. ft.	660,000	1320000	1980000	2640000

Operational Flows*

MODEL	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)							
Flow Rate (GPM)	10	20	30	40	50	60	70	80
EWS602S	-	-	3 ΔP	5 ΔP	7 ΔP	9 ΔP	12 ΔP	15 ΔP
Flow Rate (GPM)	20	40	60	80	100	120	140	160
EWS602D	-	-	3 ΔP	5 ΔP	7 ΔP	9 ΔP	12 ΔP	15 ΔP
Flow Rate (GPM)	30	60	90	120	150	180	210	240
EWS602T	-	-	3 ΔP	5 ΔP	7 ΔP	9 ΔP	12 ΔP	15 ΔP
Flow Rate (GPM)	40	80	120	160	200	240	280	320
EWS602Q	-	-	3 ΔP	5 ΔP	7 ΔP	9 ΔP	12 ΔP	15 ΔP

System design flow rates Not for use at these flow rates

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