



ultra
life on a wave of luxury

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EarthSafe
TECHNOLOGY

Member of



TECHNICAL SPECIFICATIONS

MODEL	ECO				ECO+		
	14	20	27	34	14	20	27
Resin	14	20	27	34	14	20	27
Operating pressure min/max (bar)	1.4 / 8.3				1.4 / 8.3		
Operating temperature min/max (°C)	2 / 48				2 / 48		
Electrical connection (V/Hz) (1)	230 / 50				230 / 50		
Max. power consumption (VA)	18				23		
Hydraulic connection inlet/outlet	¾" BSP Male				¾" BSP Male		

(1) supplied with 24V transformer

PERFORMANCE

MODEL	ECO				ECO+		
	14	20	27	34	14	20	27
Resin	14	20	27	34	14	20	27
Nominal exchange capacity (m ³ ×f)	71	102	138	173	71	102	138
Nominal exchange capacity (m ³ ×d)	41	58	78	99	41	58	78
Salt usage per regeneration (kg) (2)	1.8	2.5	3.4	4.3	1.8	2.5	3.4
Exchange capacity per kg salt (m ³ ×f)	41				41		
Exchange capacity per kg salt (m ³ ×d)	23				23		
Recommended maximum service flow (m ³ /hr)	1.4	2.0	2.7	3.4	1.4	2.0	2.7
Rinse water usage per regeneration (@ 3 bars)(3)	72	131	137	143	121	180	187

(2) Indicative numbers, performances depending on operating conditions and water quality

(3) On Eco+ Series maximum salt/water usage as brining is proportional (minimum of 60%)

DIMENSIONS & WEIGHTS

MODEL	ECO				ECO+		
	14	20	27	34	14	20	27
Resin	14	20	27	34	14	20	27
Width (mm)	356	432	432	432	356	432	432
Height (mm)	712	1192	1192	1192	712	1192	1192
Depth (mm)	447	454	454	454	447	454	454
Depth, including bypass (mm)	514	527	527	527	514	527	527
Height inlet/outlet (mm)	519	934	934	934	519	934	934
Height inlet/outlet, including bypass (mm)	525	940	940	940	525	940	940
Weight (kg)	24.5	38.5	44.0	50.0	24.5	38.5	44.0
Weight, including bypass (kg)	25.0	39.0	44.5	50.5	25.0	39.0	44.5
Maximum salt storage capacity (kg)	25	75	75	75	25	75	75

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Enrich your Life with Soft Water!

While the consumption of water is necessary for human life, we also use it every day for a variety of other reasons. Whether for bathing, cleaning, or leisure-time activities such as swimming, water is a staple that we all depend on and take for granted. So why then is soft water so **important** to us?

The Ultra water softener: A truly Unique Experience

The Ultra water softener by Erie Water Treatment Controls is designed to answer the needs of your entire family. We have combined a unique and innovative design with an outstanding performance, making the Ultra softener stand out in the crowd.

The Ultra softener by Erie Water Treatment Controls will offer a solution to all the hard water problems in your house and has been equipped with the latest technological features in the field of water softening:



- Electronic control panel, integrated in a protective enclosure
- High flow control valve with upflow proportional brining
- 1,050" distribution system with unique bottom deflector
- Cabinet parts made out of high-impact resistant rotationally molded polyethylene
- High quality pressure tank
- Premium quality ion exchange resin with uniform bead structure

The Principle of Water Softening!

All water softeners based on the principle of ion exchange, contain a special 'ion exchange resin,' that is loaded with sodium ions. During the service cycle of the water softener, hard water, containing calcium and magnesium ions, passes over the resin beads. The resin beads will attract calcium and magnesium ions, and in return release sodium ions to the water. During this process of 'ion exchange' the water is softened!

After a certain volume of water has passed through the water softener, the resin beads will become saturated with calcium and magnesium ions. At that moment the water softener needs to perform a regeneration. During this regeneration, a brine solution, which is a mixture of water and sodium chloride (= salt), passes over the saturated resin beads. Because of the excessive concentration of sodium ions in this brine solution, the ion exchange process is now reversed: the resin beads will now attract sodium ions, and in return, release calcium and magnesium ions to the water, which is flushed out to the drain. After the regeneration the resin beads are loaded with sodium ions again, enabling them to soften the water again!

1. Soft water will help you **save money**.
When your water is soft, you use a lot less soap and fewer cleaning products. These savings will immediately be reflected in your budget.

2. Your water heater will last longer. Scale and lime build-up created by hardness minerals will not take place if your water is soft. This **adds life to your water heater**.
Also, if you don't have deposits in your water heater, it will cost a lot less to heat the water. At the end of the year these savings really add up.

3. Most **water-using appliances will last longer**. Whether it's your coffee machine, your humidifier, or your hot tub, soft water inhibits a build-up of minerals and adds life to these appliances.

4. Your **clothes last longer and remain brighter** if they are washed in soft water. The reason is that normal water leaves mineral particles in the weave of most fabrics. This causes them to look dull and dingy. Also your washing machine will last longer because it won't be subject to build-up of hardness minerals and deposits.

5. No more soap build-up on your skin. Your **skin stays softer and healthier** when its natural oils are allowed to remain and aren't covered by a mineral build-up.

6. **Hair is softer** and easier to manage when there isn't a build-up of minerals coating it. This means it's easier to brush and de-tangle.

7. You will **save time and energy** when cleaning your house. Scrubbing floors and tiles will be easier and faster because you won't have the film and soap scum that hard water creates.

- Multilingual electronics
- A dry salt tank
- A unique design, clearly breaking away from all traditional softeners
- Large salt storage capacity
- Exceptionally low water and salt usage
- Proportional water and salt usage

The Erie Experience, since 1947!



Erie Water Treatment Controls has over 60 years of experience in the water treatment industry. It designs, manufactures and distributes complete water treatment systems, for use in residential and commercial Point-Of-Use and Point-Of-Entry applications. Back in the 1940's Erie Water Treatment Controls was the first manufacturer ever to develop an automatic regeneration control valve, and remains one of the leading manufacturers ever since!

Erie Water Treatment Controls combines all features of a leading manufacturer of water treatment systems with the desire to play a role in the protection of our environment. We are committed to contribute to a better and cleaner world and therefore ecological considerations play an important role already in the early stages of product development.