



## Water Softener

Feel the difference!

- Easy to Use
- Highly Efficient
- Energy Saving
- Environmentally Friendly



## Hard Water

As water moves through soil and rock, it dissolves very small amounts of minerals and holds them in solution. Calcium and magnesium dissolved in water are the two most common minerals that make water “hard.” The degree of hardness becomes greater as the calcium and magnesium content increases.

### Effects of Hard Water

#### - In the Bathroom

Bathing with soap in hard water leaves a film of sticky soap curd on the skin. The film may prevent removal of soil and bacteria. Soap curd interferes with the return of skin to its normal, slightly acid condition, and may lead to irritation.



#### - In the Kitchen

When washing dishes, especially in a dishwasher, hard water may cause spotting and filming on your crockery.

#### - In the Laundry

Clothes washed in hard water often look dingy and feel harsh and scratchy. The hardness minerals combine with some soils to form insoluble salts, making them difficult to remove. Continuous laundering in hard water may damage fibres and shorten the life of clothes.



#### - In your Finances

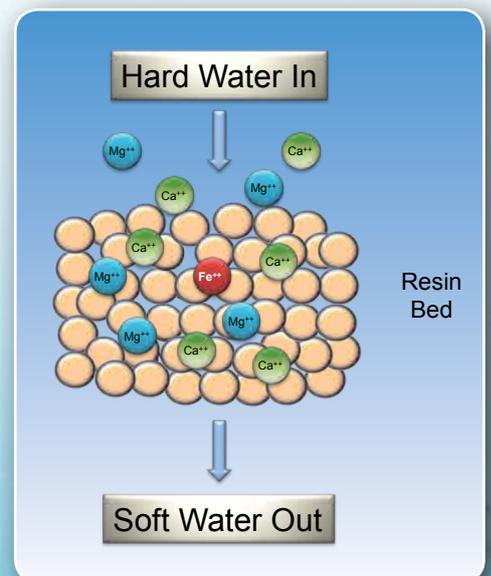
Hard water also contributes to inefficient and costly operation of water-using appliances. Heated hard water forms a scale of calcium and magnesium minerals (limescale deposits) that can contribute to the inefficient operation or failure of water-using appliances.

## Removing the Hardness

Hard water contains calcium and magnesium. Water softener contains resin beads, which hold sodium ions. When hard water passes through the resin beads inside the water softener, the beads attract and hold the calcium and magnesium ions in exchange for sodium. After this ion exchange process, the water leaving the water softener is “soft water”.

The resin beads are exhausted now loaded with calcium and magnesium ions, and they must be regenerated so that it can continue to soften water. The salt in your salt storage tank mixes with water to regenerate the resin beads. The brine solution removes the calcium and magnesium from the resin beads; then the resin beads are rinse with water to remove the brine solution remaining.

Once this is complete, the resin beads hold sodium ions. The system is again ready to exchange the sodium ions for more calcium and magnesium ions.



## The experience of having soft water:



✓ Your soap and shampoo will lather better. Your hair becomes softer, shinier and easier to manage. Your skin is left feeling silky smooth and not as dry. There will be no soap scum or mineral deposit to clean sinks, shower, tub and toilets.

✓ Laundry: clothes come out softer, cleaner, whiter and brighter. Soft water increases the life of clothing, towels and linen.



✓ Your dishes will clean up more easily and your glassware will sparkle with significant saving in the use of dishwasher.



✓ 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



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

water heater, it will cost a lot less to heat the water. At the end of the year these savings really add up.

## Soft water will help you save money (1)

(1) Softened Water Benefits Study: New Reports Related to Detergent and More Energy Savings.

*Pauli Undesser, Water conditioning and Purification Magazine, March 2011*

### Ezysoft Water softener

The Ezysoft water softener a truly ecological product, designed to answer the needs of you and your family!

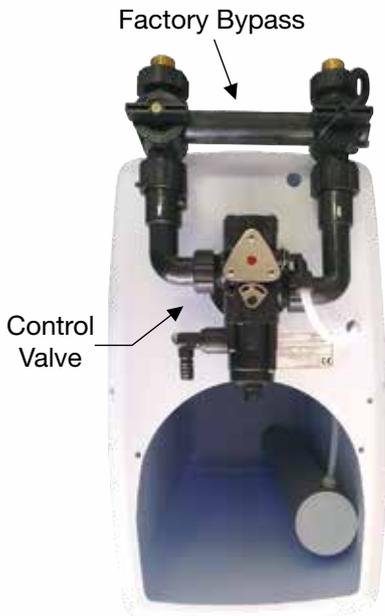
#### Features

- Easy to use: the regeneration of the softener starts by just a twist
- Energy Saving: by reducing your energy consumption in water heating systems and appliances, you will lower energy costs and carbon dioxide emissions.

#### **"Ezysoft does not require electricity"**

- More efficient: Ezysoft uses a resin with beads of uniform size that increases its operating capacity, compared to standard resins.
- Environmentally friendly: the discharges to the environment are minimal. The quantity of salt used per regeneration is up to 50% less than a standard water softener without sacrificing any capacity.

## Technical Specifications



Technical Specifications	
Operating Pressure - min/max (Bar)	1.4/8.3
Operating Temperature - min/max (°C)	2/48
Hydraulic Connections - inlet/outlet	25 mm BSP
Electrical Connection	None
Performance	
Resin (L)	24
Nominal Exchange Capacity (ppm CaCO <sub>3</sub> )	1,224,000
Volume (L)*	8,600
Salt Usage per Regeneration (Kg)	3.0
Recommended Max. Service flow (LPM)	40
Rinse Water per Regeneration (L)	126
Maximum Salt Storage Capacity (Kg)	150
Dimension and Weight	
Width (mm)	345
Height (mm)	1005
Depth (mm)	573
Weight (kg)	35

\* at 143 mg/L of hardness

## Warranty

Component	EzySoft
Resin tank	10 years
Cabinet	10 years
Control Valve	3 years
All Other Parts	2 years

\* Please refer to Waterco's warranty terms and conditions

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water, the liquid of life

