

# Hellenbrand® E<sup>6</sup> SERIES

Efficient, Economical  
Twin Tank System



Save Water, Save Salt, Save Energy



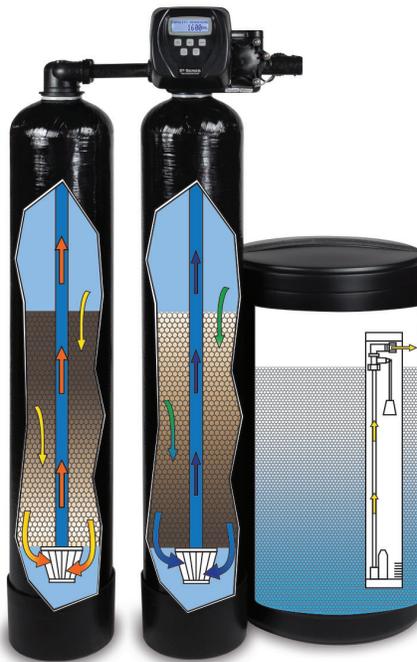
## The E6 System Means Better Water for Health & Home

- Never run out of softened water again.
- No more “reserve capacity” the twin alternating system uses 100% of the available capacity, then switches tanks and regenerates the exhausted tank.
- This process provides softened water without interruption, on demand.
- The E6 unit provides softened water 24/7, thus you never need to worry about running out of softened water.

"Studies involving families with and without children have shown savings on salt and water usage up to 17% over single meter demand or sensor demand water softening systems."

## How Does the E6 Work?

1. Hard water enters your water softener and passes down through the ion exchange resin, which is charged with sodium ions. The hard water ions, calcium, and magnesium are attracted to the ion exchange resin, and an equal amount of sodium ions are bumped off into the water supply.
2. When the water reaches the bottom of the tank, it is softened and ready to be used in your home and business.
3. When the tank providing soft water is saturated with hard water minerals, the control valve places the second tank into the soft water mode and recharges the first tank.
4. A salt solution flushes the calcium and magnesium off the resin and the resin is recharged with sodium. The brine solution from your brine tank is the fuel to recharge the resin with sodium



## The Hard Facts Behind Soft Water

### Brighter Clothes, Less Detergent

- > Softening the water will allow the use of 60% less detergent and will also save energy by lowering water temperatures, while still maintaining or improving performance.
- > Stain removal performance increases dramatically when hardness is removed, even when the detergent dose and temperature are also lowered.

### Better Dishwasher Performance

- > Hardness reduction was 6 times more effective at reducing spotting and twice as effective at reducing filming as increasing detergent use.
- > Detergent savings of up to 70% with soft water as compared to hard water.

### Improved Water Heater Efficiency

- > Softened water saves 40-57% of operating costs.
- > Gas storage tank water heaters operated on softened water maintained the original factory efficiency rating over a 15-year lifetime.
- > Hard water can result in as much as a 48% loss in water heater efficiency
- > Tank-less water heaters operating on 26.2 grains per gallon of hardness failed to operate after 19 days of testing

The detergent savings studies were conducted by the independent testing firm Scientific Services S/D, Inc. of New York, and the softened water benefit studies were conducted by the Battelle Memorial Institute, a non-profit international science and technologies enterprise. Both studies were funded by the Water Quality Research Foundation (WQRF).



### Easton's Water Conditioning

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