

ProMate 6.0™

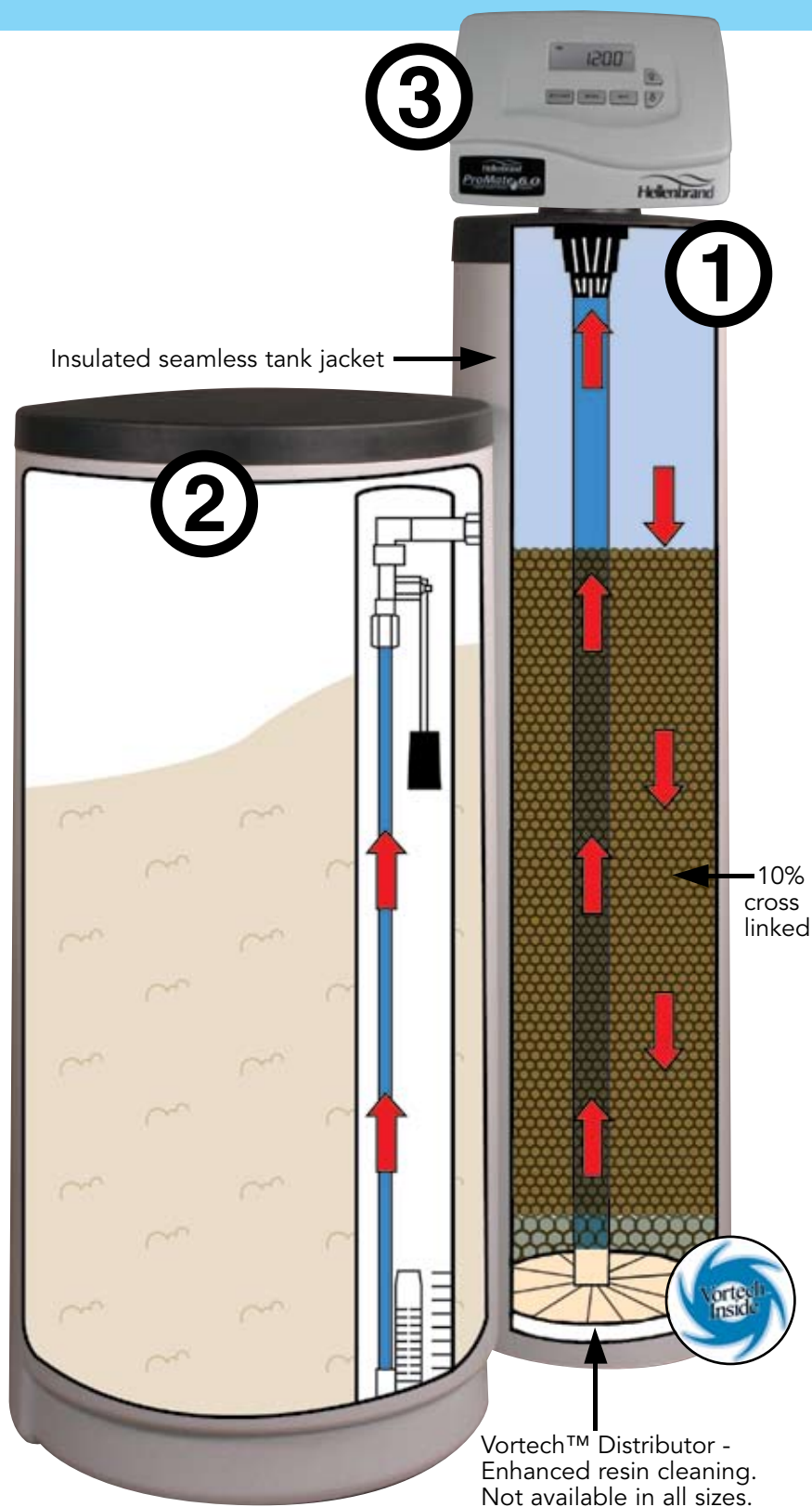
WATER CONDITIONING SYSTEM

**Salt Savings with
Brine Recovery**



Save On Energy With Soft Water

Eliminating Hard Water is Easy with a ProMate 6.0.



Life is hard – especially if you have hard water in your home. Hard water creates scale, which can shorten the life of your pipes, water heater, dishwasher, and washing machine. Hard water deposits stain sinks and bathtubs, spot glasses and dishes, and leaves your laundry dull and dingy.

Put an end to hard water mineral deposits with a ProMate 6.0 water conditioner. The ProMate 6.0 removes calcium and magnesium, the hardness minerals, leaving your water softer, cleaner and user friendly.

It pays to enjoy the benefits of a ProMate 6.0 water softener. Why not make the switch today?

How does a ProMate 6.0 water softener work?

1. Hard water enters your water softener **①** and passes down through the ion exchange resin, which are 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. When the water reaches the bottom of the tank, it is softened and ready to be used in your home and business.
2. When the ion exchange resin is saturated with calcium and magnesium (hard water ions) it must be recharged **②**. A strong brine solution enters the tank and flushes the calcium and magnesium ions off the ion exchange resin and attaches itself.
3. A final rinse process ensures that any unused brine is rinsed from the system and your **①** ProMate conditioner is now fully recharged and ready to provide you with soft water.
4. Your ProMate control valve **③** controls this entire process, including the frequency of regeneration.



Better in the kitchen.



Better in the bathroom.



Better in the laundry.

Soft water saves money:

- Water heater efficiency is increased 21% to 29%.
- Save up to 70% on soap in the kitchen, laundry and bath.
- Save up to 25% on personal-care items such as hair conditioners and shaving cream.
- Appliances like dishwashers and laundry machines last up to one-third longer.
- Water heaters last up to twice as long.
- Clothing will be whiter, brighter and last longer.

You'll notice a big difference in every part of your home with the ProMate 6.0.

In the kitchen...

- Shiny, spotless dishes and glasses.
- A sparkling clean sink.
- Longer life for plumbing and appliances.

In the bathroom...

- Cleaner fixtures with less soap-scum buildup.
- Stain-free sinks, tubs and showers.
- Softer skin and more manageable hair.
- Use less shampoo and conditioners.

In the laundry...

- Wash is fresher, cleaner and brighter.
- Longer life for washing machine.
- Use less detergent.

Our premium softener offers:

- Premium 10% cross linked resin has a higher tolerance for chlorine and resists degradation from oxidizers in both city and well applications.
- 12-volt operation available in either AC or DC voltage.

- PM6.0 software allows a lithium battery to maintain the time of day for up to 2 years during power outages.
- Scrolling backlit user screen shows the gallons remaining, flow rate, time of day and dealer name and phone number.
- Variable reserve automatically adjusts to your changing water usage patterns for each day of the week.
- Powerful, reliable and user-friendly electronic automatically monitor water-treatment functions including:
 - Days since last regeneration
 - Gallons since last regeneration
 - Gallon reserve capacity
 - Maximum flow rate for the last seven days
 - Current flow rate
 - Total number of regenerations
- Noryl™ corrosion-resistant control valve body and corrosion-proof tanks for a longer life; all internal components are lead-free.
- Pre-filling the salt reserve with softened water reduces salt-bridging problems and cleaning of salt reserve.
- The fully programmable ProMate 6.0 control with optional double backwash optimizes regeneration and provides peak efficiency with minimal water usage to meet your specific water conditions.
- All programmed settings are maintained during power outages.
- If required, the service interval screen reminds you that preventative maintenance is due, along with your dealer's name and phone number.
- Uses less than \$2 of electricity per year.
- Full-flow bypass valve is standard.
- Systems available in single, twin, tri-plex or four-plex.



The ProMate 6.0 Control is User-Friendly and Reliable.

- Modular Design.
- Non-Corrosive Valve Body & Internals.
- One Piece Stack Assembly.
- No Nuts, Bolts or Screws.
- Disassemble and Reassemble in Minutes.



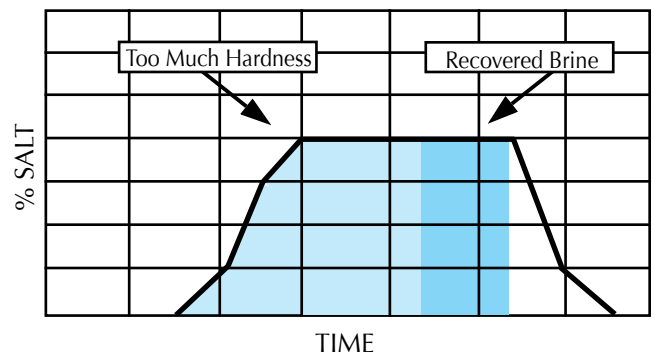
Going Green With Brine Recovery.

For years many large commercial and industrial users have utilized Hellenbrand's brine recovery systems to both lower their operating costs for salt and reduce the amount of chloride discharge, thus paying for the investment many times over. However the up-front investment required to accomplish this made it cost prohibitive for smaller systems, like those used in the residential market.

When Hellenbrand designed and engineered the ProMate 6.0, one of our goals was to be able to provide brine recovery. This complements the savvy consumer who is concerned with chloride discharge impacting the environment and also looking to reduce their operating costs for salt - which is the fuel needed to run your water treatment.

How It Works

All cation exchange water conditioners utilize salt to recharge the cation resin as described on page two of this brochure. As the strong salt/brine solution comes into contact with the resin beads it pushes off the calcium and magnesium "hardness ions" flushing them to drain while sodium ions attach themselves to the resin beads. In the beginning stages of this regeneration process the waste/drain water has very high concentrations of the hardness minerals calcium and magnesium. As time passes the hardness concentrations drop off dramatically leaving a high concentration of sodium in the waste/drain stream that did not attach to the resin beads, making this the ideal time period to recover the unused salt. As the regeneration time continues the sodium concentration drops off dramatically in the waste/drain stream and we no longer recover. (See graph)



Savings

By diverting the extra salt water back to the brine tank during the highest salt concentration, as shown on the graph, a 20% or greater savings in salt can be obtained. All of this is easily controlled by the ProMate 6.0 electronics. The ProMate 6.0 control's adjustable programming allows your dealer to customize brine recovery to meet your precise water conditions.

Satisfaction Guaranteed

We back every product with a complete commitment to customer satisfaction and offer one of the most comprehensive product warranties in the water treatment industry. For more information, go to www.hellenbrand.com.



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Your Hellenbrand Dealer:

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