

# Legacy Series LES

## Water Softeners

LANCASTER  
WATER TREATMENT



### Homeowner Benefits

Our Legacy Series LES softeners bring the treatment of household water to a whole new level of quality and convenience and proven system performance. The combination of the control valve, mineral tank, distribution plate and brine tank, make this one of the highest valued water softening systems on the market today.

- Water usage efficiency up to 98%
- Minimized usage of salt and water
- Solid-state microprocessor with push button simplicity for ease-of-use
- Stores all system configuration and operating data, even in the event of a power outage
- Programmable control to customize use to family needs and lower operating costs
- Fully adjustable regeneration cycle times to meet peak demands
- Modular design is easy-to-service and maintain
- Available in the space-saving cabinet model or the two tank model
- Family members will all experience the improvements of treated water after installation

### Series Overview

Our Legacy Series top-of-the-line electronic water softener brings advanced technology and enhanced performance to water conditioning. The LES unit removes unwanted hardness and minerals from your household water.

The LES Series features a state-of-the-art control valve, high performance mineral tank and Vortech distribution plate for better water regeneration, and a brine tank to handle the homeowners most demanding needs.

It is outfitted with a solid-state microprocessor control and LCD display to simplify system operation and set up. The microprocessor can program the sequence of cycles and the cycle times.

Usage history and diagnostic records, as well as current gallon-per-minute flow and usage is available.

Additionally, the control valve monitors days since the last regeneration, peak flow rates and reserve capacity based on water usage over the previous 21 days.

The sophisticated control valve is easy to program and provides valuable information to the installer and homeowner. You can count on your Lancaster Water Treatment dealer to provide expert advice and installation on the best system to meet your household needs.



**Vortech**  
The Revolutionary New Distribution Technology From ENPRESS®



## LES Microprocessor Based Control Valve

- Monitors water consumption, water flow rates, gallons since last regeneration, days between regeneration, total regenerations since start up
- Treated water brine refill
- Easy access front panel settings
- Days override feature: 1-28 days available
- Stores system configuration and operation data in a non-volatile memory
- Valves ported internally 1"
- Battery back-up with up to 8 hours power carry-over



**Vortech**<sup>™</sup>

The Revolutionary New Distribution Technology From ENPRESS®

## Easy to Program

- Home owner/user screens
- Installer screens
- Factory set regeneration sequence screens
- Factory set softener set-up screens
- Diagnostic screens
- Valve history screens
- Set-up available for low yielding wells.

Different areas of the country, rural in-ground water supplies to even municipal water sources have challenging water hardness problems. We make softening solutions to meet your challenging water problems.

Water softeners remove unwanted hardness and minerals from your household water- whether from private well or municipal source. Water softeners in combination with filters, neutralizers and reverse osmosis systems can meet the most challenging water problems.

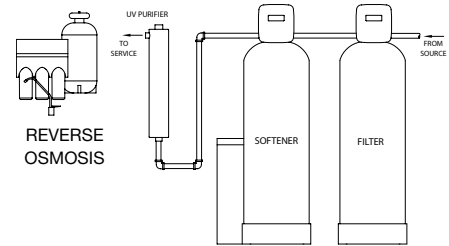
## Vortech™

The Vortech distributor combined with the LES water softener reduces discharge and increases efficiency a minimum of 10%.



## Cabinet and Mini Cabinet

- Cabinet design offers space savings by combining the mineral tank and brine tank into one unit that still allows up to 225 lbs of salt storage
- The mini offers even more space savings allowing up to 75 lbs of salt storage



|                            |          | TWO TANK |           |           |           | MINI CAB   | CABINET    |
|----------------------------|----------|----------|-----------|-----------|-----------|------------|------------|
| MODEL NO.                  |          | 7-LES-75 | 7-LES-100 | 7-LES-150 | 7-LES-200 | 7-LECS-50  | 7-LECS-75  |
| Grains Capacity            | High     | 24,000   | 32,000    | 48,000    | 64,000    | 16,000     | 24,000     |
|                            | Medium*  | 18,000   | 24,000    | 36,000    | 48,000    | 12,000     | 18,000     |
|                            | Low      | 12,750   | 17,000    | 25,500    | 34,000    | 8,500      | 12,750     |
| Mineral                    | Cu. ft.  | 0.75     | 1.00      | 1.50      | 2.00      | 0.50       | 0.75       |
|                            | Lbs.     | 39       | 52        | 78        | 104       | 26         | 39         |
| Mineral Tank Size (in.)    |          | 8x44     | 10x40     | 10x54     | 12x48     | 9 x 18     | 10 x 35    |
| Brine Tank Size (in.)      |          | 18x33    | 18x33     | 18x33     | 18x40     | 14x23x28** | 14x23x44** |
| Brine Tank Capacity (lbs.) |          | 375      | 375       | 375       | 450       | 75         | 225        |
| LBS NaCl Per Regeneration  | High     | 11.50    | 15.00     | 22.50     | 30.00     | 7.50       | 11.50      |
|                            | Medium*  | 6.00     | 8.00      | 12.00     | 16.00     | 4.00       | 6.00       |
|                            | Low      | 3.50     | 4.50      | 7.00      | 9.00      | 2.50       | 3.50       |
| Service Flow Rate (gpm) ‡  |          | 13       | 17        | 16        | 18        | 14         | 18         |
| Backwash Rate (gpm)        |          | 1.00     | 1.70      | 1.70      | 2.70      | 0.70       | 1.00       |
| Pipe Size (in.)            |          | 1        | 1         | 1         | 1         | 1          | 1          |
| Operating Pressure (psi)   | min.-max | 20-100   | 20-100    | 20-100    | 20-100    | 20-100     | 20-100     |
| Operating Temperature (°F) | min.-max | 35-100   | 35-100    | 35-100    | 35-100    | 35-100     | 35-100     |

\*Factory setting may be adjusted for higher grains capacity or lower salt usage.

\*\*Includes cabinet cover. ‡ At 15psi pressure drop

**LANCASTER**<sup>®</sup>  
**WATER TREATMENT**

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