



X-Factor Series LES

WATER SOFTENER

LINE OVERVIEW

The Lancaster LES electronic water softener brings advanced technology and enhanced performance to water conditioning. The LES softener removes unwanted hardness and minerals from your household water.

The LES line features a state-of-the-art control valve, high-performance mineral tank and a brine tank to handle the homeowner's most demanding needs.

It is outfitted with a solid-state microprocessor control and LCD display to simplify system operation and setup. 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 LES 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.



HOMEOWNER BENEFITS

Our Platinum Line 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 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**



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LES MICROPROCESSOR-BASED CONTROL VALVE

- Monitors water consumption, water flow rates, gallons since last regeneration, days between regeneration, total regenerations since startup
- 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

EASY TO PROGRAM

- Homeowner/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



CABINET & 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 and allows up to 75 lbs of salt storage**

TWO TANK		MINI CAB				CABINET	
MODEL NO.		7-LES-75B	7-LES-100B	7-LES-150B	7-LES-200B	7-LECS-50B	7-LECS-75B
Grains Capacity		18,000	24,000	36,000	48,000	12,000	18,000
Mineral	Cu. ft. Lbs.	.75 39	1.00 52	1.50 78	2.00 104	.50 26	.75 39
Mineral Tank Size (in.)		8x44	10x40	10x54	12x48	9x18	10x35
Brine Tank Size (in.)		15x17x36	15x17x36	15x17x36	18x40	14x21x28	14x21x45
Brine Tank Capacity (lbs.)		275	275	275	450	75	225
LBS NaCl Per Regeneration		6.0	8.0	12.0	16.0	4.0	6.0
Service Flow Rate (gpm)		11	13	14	16	12	16
Backwash Rate (gpm)		1.7	2.7	2.7	3.2	2.2	2.7
Pipe Size (in.)		1	1	1	1	1	1
Min.-Max. Pressure (psi)		20-100	20-100	20-100	20-100	20-100	20-100
Min.-Max. Temperature (°F)		35-100	35-100	35-100	35-100	35-100	35-100