



# X-Factor Series LX

## OUR TOP-OF-THE-LINE WATER SOFTENER

### LINE OVERVIEW

Our top-of-the-line electronic water softener brings advanced technology and enhanced performance to water conditioning. The Diamond Line LX features a Lancaster designed state-of-the-art control valve and distribution system to ensure peak efficiency.

Our innovative control valve is easy to program and provides valuable information, including usage history, diagnostic records, and current gallon-per-minute flow and usage to the installer and homeowner. 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.



### HOMEOWNER BENEFITS

- Environmentally friendly
- Plated-tank technology uses 30% less water
- Regenerates on demand
- Water usage efficiency up to 98%
- Modular design is easy to service and maintain
- Custom control program to meet family needs at a lower operating cost
- Energy-saving illuminated display
- Available in the space-saving cabinet model or the two-tank model



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LANCASTER DESIGNED STATE-OF-THE-ART CONTROL VALVE

- Factory-set pre-fill brine
- Dot matrix display
- Scrolling text display
- Contractor contact screens
- Additional user display choices during normal service
- Color specific display: Solid Blue, In Service; Solid Green, In Regeneration; Flashing Yellow, Maintenance; Flashing Red, Error.
- Water drop flow indicator
- Contractor service call reminder
- Display and keypad backlight illumination
- Screen displays low battery when the backup battery needs replaced
- Two relay driver outputs
- Multiple regenerations per day
- Additional diagnostics information
- Additional valve history information
- DC battery operation available
- 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 nonvolatile memory
- Valve ported internally 1"
- Battery back-up with up to 8 hours power carry-over



### CABINET & MINI CABINET

**Cabinet and Mini Cabinet design offers space savings by combining the mineral tank and storage tank into one unit.**

### EASY TO PROGRAM

- Set time of day
- Set water hardness
- Set desired time of regeneration
- Set contractor name and phone number

TWO TANK		MINI CAB				CABINET	
MODEL NO.		7-LX-75B	7-LX-100B	7-LX-150B	7-LX-200B	7-LXC-50B	7-LXC-75B
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.	.75	1.00	1.50	2.00	.50	.75
	Lbs.	39	52	78	104	26	39
Mineral Tank Size (in.)		8x44	10x40	10x54	12x48	9x18	10x35
Brine Tank Size (in.)		15x17x36	15x17x36	15x17x36	15x17x36	14x21x28	14x21x45
Brine Tank Capacity (lbs.)		275	275	275	275	75	225
LBS NaCl Per Regeneration	High	11.3	15.0	22.5	30.0	7.5	11.3
	Medium*	6.0	8.0	12.0	16.0	4.0	6.0
	Low	3.4	4.5	6.75	9.0	2.3	3.4
Service Flow Rate (gpm)		13	17	16	18	14	18
Backwash Rate (gpm)		1.0	1.7	1.7	2.7	.7	1.7
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

\*Factory settings