



# LANCASTER

## WATER TREATMENT

DIAMOND LINE LX - CITY SOFT PLUS

## X-FACTOR SERIES LX

OUR TOP-OF-THE-LINE CITY SOFT PLUS™ ELECTRONIC WATER SOFTENER/FILTER COMBINATION SYSTEM PROVIDES TWO TREATMENT TECHNOLOGIES THAT EITHER REMOVES CHLORINE/CHLORAMINES OR RAISES THE PH AND SOFTENS THE WATER SIMULTANEOUSLY.

### FEATURES

- **CRYSTAL-CLEAR, HEALTHY WATER:** Carbon models filter out unwanted chemicals including chlorine, to improve color, taste and odor.
- **ECONOMICAL:** Fully adjustable regeneration cycle and plated-tank technology minimizes salt and water usage.
- **CONSERVES WASTE WATER:** One regeneration cycle cleans the filter and softener simultaneously, thereby conserving waste water.
- **DEPENDABILITY:** Stores all system configuration and operating data, even in the event of a power outage.
- **LOWER OPERATING COSTS:** Programmable control customizes treatment to family needs.
- **CONVENIENCE:** Access port on the top of the tank allows the addition or removal of media without removing the control valve.

### CITY SOFT PLUS

Our Diamond Line City Soft Plus™ softener/filter system brings the treatment of household water to a whole new level of quality, convenience and proven system performance. Our combined technology system does the job of two, providing soft, better-tasting water or soft, non-corrosive water.

For city water that is chlorinated\* and hard, the City Soft Plus™ with carbon delivers crystal-clear, fresh-tasting, odor-free, soft water.

For city water that is corrosive and hard, the City Soft Plus™ with calcite delivers crystal-clear, non-corrosive, soft water.



# X-FACTOR SERIES LX

## LANCASTER DESIGNED STATE-OF-THE-ART CONTROL VALVE

- Dot matrix display
- Scrolling text display
- 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
- Display and keypad backlight illumination
- Screen displays low battery when the backup battery needs replaced

### EASY TO PROGRAM

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

### MID-PLATE MEDIA TANK

The high-performance mineral tank with distribution plates combined with the LXCVI control valve reduces discharge and increases efficiency. The physical separation of multiple media saves not just space, but also literally hundreds of dollars in operating costs. The purchase of just one water conditioning system does the job of two!



MODEL NO.	SOFTENER / NEUTRALIZER FILTER				SOFTENER / CARBON FILTER					
	7-LXDNS-75B	7-LXDNS-100B	7-LXDNS-150B	7-LXDNS-200B	7-LXDCS-75B	7-LXDCS-100B	7-LXDCS-150B	7-LXDCS-200B		
GRAINS CAPACITY	18,000	24,000	36,000	48,000	18,000	24,000	36,000	48,000		
MINERAL (CU. FT.)	Resin	.75	1.00	1.50	2.00	Resin	.75	1.00	1.50	2.00
	Calcite	1.00	1.00	1.00	1.00	Carbon*	1.00	1.00	1.00	1.00
MINERAL TANK SIZE (IN.)	10 x 54	10 x 60	13 x 54	13 x 54	10 x 54	10 x 60	13 x 54	13 x 54		
BRINE TANK SIZE (IN.)	15 x 17 x 36	15 x 17 x 36	15 x 17 x 36	5 x 17 x 36	15 x 17 x 36	15 x 17 x 36	15 x 17 x 36	15 x 17 x 36		
BRINE TANK CAPACITY (LBS.)	275	275	275	275	275	275	275	275		
LBS NACL PER REGENERATION	6.0	8.0	12.0	16.0	6.0	8.0	12.0	16.0		
SERVICE FLOW RATE (GPM)*	5	5	10	10	5	5	10	10		
BACKWASH RATE (GPM)	2.2	2.2	3.2	3.2	2.2	2.2	3.2	3.2		
PIPE SIZE (IN.)	1	1	1	1	1	1	1	1		
OPERATING PRESSURE (PSI) MIN.-MAX.	20-100	20-100	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	35-100	35-100		

\*Special carbon available for chloramine reduction.