

# CLEAN WATER

## SOLUTIONS

### CITY SOFT PLUS WATER SOFTENER/FILTER COMBINATION

#### LINE OVERVIEW

Our top-of-the-line City Soft Plus™ electronic water softener/filter combination system provides two treatment technologies that either removes chlorine or raises the pH and softens the water simultaneously.

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

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



#### HOMEOWNER BENEFITS

**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 unit does the job of two, providing soft, better-tasting water or soft, non-corrosive water.**

- **CRYSTAL-CLEAR, HEALTHY WATER:**  
Carbon models filter out unwanted chemicals including chlorine, to improve color, taste and odor.
- **ECONOMICAL:**  
Fully adjustable regeneration cycle 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.

## 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

## MID-PLATE MEDIA TANK

The high-performance mineral tank with distribution plates combined with the LXCv1 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!



## EASY TO PROGRAM

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

| SOFTENER/NEUTRALIZING FILTER            |              |              |              |              | SOFTENER/CARBON FILTER |             |              |              |              |
|---|--------------|--------------|--------------|--------------|------------------------|-------------|--------------|--------------|--------------|
| MODEL NO.                               | 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.)                 | 10x54        | 10x60        | 13x54        | 13x54        |                        | 10x54       | 10x60        | 13x54        | 13x54        |
| Brine Tank Size (in.)                   | 15x17x36     | 15x17x36     | 15x17x36     | 18x40        |                        | 15x17x36    | 15x17x36     | 15x17x36     | 18x40        |
| Brine Tank Capacity (lbs.)              | 275          | 275          | 275          | 450          |                        | 275         | 275          | 275          | 450          |
| 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)<br>min.-max    | 20-100       | 20-100       | 20-100       | 20-100       |                        | 20-100      | 20-100       | 20-100       | 20-100       |
| Operating Temperature (°F)<br>min.-max. | 35-100       | 35-100       | 35-100       | 35-100       |                        | 35-100      | 35-100       | 35-100       | 35-100       |

\* Special carbon available for chloramine reduction.



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