

X-Factor Series LX

CITY SOFT PLUS™ Softener/Filter System

Series Overview

Our top-of-the-line CITY SOFT PLUS™ electronic water softener/filter provides two treatment technologies that remove chlorine and soften 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.

* Special carbon available for chloramine reduction



Homeowner Benefits

Our X-Factor Series 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:**
Unwanted chemicals, including chlorine, are filtered out 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.



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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

Vortech™ Mineral Tank

The high-performance mineral tank with distribution plates combined with the LX CV1 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



CITY SOFT PLUS™

		Softener/Neutralizing Filter				Softener/Carbon Filter				
MODEL NO.		7-LXDNS-75	7-LXDNS-100	7-LXDNS-150	7-LXDNS-200		7-LXDCS-75	7-LXDCS-100	7-LXDCS-150	7-LXDCS-200
Grains Capacity	High	24,000	32,000	48,000	64,000		24,000	32,000	48,000	64,000
	Medium*	18,000	24,000	36,000	48,000		18,000	24,000	36,000	48,000
	Low	12,750	17,000	25,500	34,000		12,750	17,000	25,500	34,000
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.)		18 X 33	18 X 33	18 X 33	18 X 40		18 X 33	18 X 33	18 X 33	18 X 40
Brine Tank Capacity (lbs.)		375	375	375	450		375	375	375	450
Lbs. NaCl Per Regeneration	High	11.3	15.0	22.5	30.0		11.3	15.0	22.5	30.0
	Medium*	6.0	8.0	12.0	16.0		6.0	8.0	12.0	16.0
	Low	3.4	4.5	6.75	9.0		3.4	4.5	6.75	9.0
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

* Factory setting (can be adjusted for higher grains capacity or lower salt usage) ** Special carbon available for chloramine reduction.



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