

unrivaled

WATER

TREATMENT

LX DIAMOND LINE



LANCASTER
WATER GROUP

Est. 1942

WATER IS

Life



8 glasses a day to fuel your body that is made up of 60-70% water - which is more than 70% of your lymphatic system, liver, blood, joints, lungs, heart, brain, and muscle tissue combined.

On average, an American family consumes 300 Gallons of water per day for:



Drinking Water



Bathing



Washing Clothes



Brushing Teeth



Cleaning Dishes



Cooking

BUT, THAT IS ONLY 10% OF THE WATER SUPPLY.

The other 90% is used by industry, irrigation, agriculture, firefighting, and municipal entities.



Whether your water is from a treatment plant, a pumping station, municipal storage, a well, or another resource, contaminants - physical, biological, chemical, and radiological that come from industrial waste, natural occurrences in the environment as well as agricultural run-off - can get into the water supply.

And while most of our water is treated by municipal treatment centers, those treatments can miss harmful contaminants that can cause a myriad of issues.



CHLORINE / CHLORAMINES



ARSENIC



HARDNESS



LEAD



PFAS



NITRATES

Lancaster's



With more than 75 years in innovating and manufacturing American-made water treatment solutions, Lancaster Water Group has been a family-owned business founded on honesty and dependability with one mission – to provide clean, flowing water through quality equipment.



“ WE LOVE KNOWING OUR TREATMENT SYSTEM IS HELPING CREATE A HEALTHY HOME FOR OUR FAMILIES WELLNESS AND PEACE OF MIND. ”



Story



– Free –
WATER TESTING
via Lancaster's Lab

Lancaster goes above and beyond to offer customers ease and peace of mind in their investment through a seamless purchase process:



As the premier supplier of innovative technology in the water treatment industry, Lancaster assures that its products will always be ahead of the curve in delivering you results and peace of mind.

Features

PLATED-TANK TECHNOLOGY USES

30% less WATER

The design creates fluidity of the media bed and extends contaminant removal capacity; which means less regenerations and significant reduction of water use...saving water, salt and the environment.

ION EXCHANGE

Efficiently
REMOVES HARDNESS

Ion exchange efficiently removes calcium and magnesium to reduce hardness build-up in your pipes and on your water fixtures.

Most efficient softening regeneration.

Salt **REDUCES ANNUAL CONSUMPTION.**

HAVING
your
BACK

STATE of the ART CONTROL VALVE

Metered & Timed Regeneration

Your easy-to-program control valve comes set up for a pre-filled brine tank. Also, the valve has a fully programmable regeneration cycle sequence with the ability to override by one to twenty-eight days. You can set the time of day, water hardness, desired time of regeneration, as well as your contractor's name and phone number.

Advanced Diagnostics

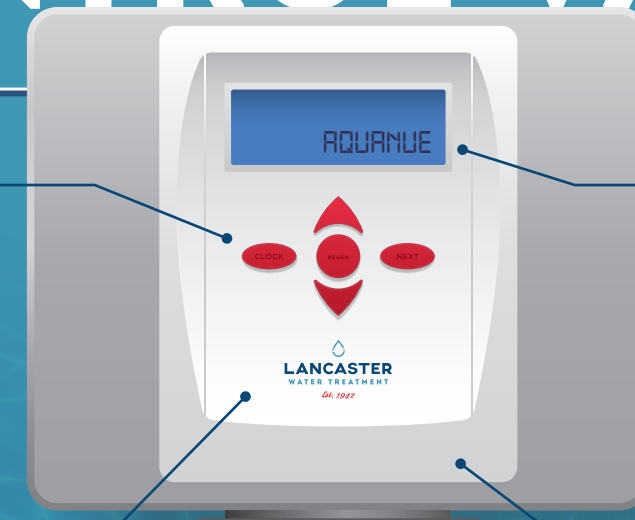
The valve stores system configuration, history, and operational data in a non-volatile memory as it monitors water consumption, water flow rates, gallons since last regeneration, days between regeneration as well as the total regenerations since start-up.

Display

The backlit-digital display offers several default options, including a contractor contact screen option. Also, the multicolor display allows for alerts to any system issues, including reminders for contractor service calls.

Low Maintenance

The control valve ensures brine water refills happen on an ongoing basis. And, no need to worry about power outages. With an 8-hour battery back-up power and low battery reminder, you can set your mind at ease.



We manufacture the Diamond Line with only the best, durable materials that are backed by our **10-Year** plated-tank technology and **5-Year** control valve warranties.

For your benefit, we have our media certified by a third-party to NSF/ANSI Standard 61 and/or 44 to ensure the product and its components comply with manufacturing standards.

SOFTENER LX

LX DIAMOND LINE

Environmentally Friendly

Softened water keeps your household appliances running efficiently, reducing energy usage and decreasing repairs and replacement. For example, without a system like this, the carbon footprint of your gas water heater could increase 4-18%.

Availability in Standard & Estate Models

We understand that homes come in all shapes and sizes. To ensure that we provide you with the best fit for your home, we offer our softeners in 1" and 1.25" options, not limiting water flow rates and lowering the overall regeneration time.



EASY SET-UP



REDUCED WATER USAGE

WITH PLATED TANK TECHNOLOGY



LOW MAINTENANCE



ADVANCED DIAGNOSTICS

SOFTENER LX

BRINGING YOU ADVANCED TECHNOLOGY AND ENHANCED PERFORMANCE, OUR DIAMOND LINE SOFTENER PROVIDES YOU WITH THE PEAK EFFICIENCY FOR YOUR HOME.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line Water Softener and flows through the resin.
2. Hardness is removed via ion exchange.
3. Treated water enters your home free of residue causing hardness.
4. The LX Diamond Line Water Softener will calculate the appropriate time to regenerate, cleaning and recharging the resin, so that it can continue to remove contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LX-75B	13	1	54	.75	Hardness Removal up to 100 gpg
7-LX-100B	17	1	50	1	
7-LX-150B	16	1	64	1.5	
7-LX200B	18	1	58	2	
7-LXC-50B	14	1	28	.5	
7-LXC-75B	18	1	45	.75	
7-LXC-100B	17	1	45	1	
7-LX125-100B	22	1.25	50	1	
7-LX125-150B	22	1.25	64	1.5	
7-LX125-200B	23	1.25	58	2	
7-LX125-300	24	1.25	75	3	
7-LX125-400	25	1.25	75	4	

*Height for estimating purposes
** LXC units come in single tank cabinets

Operating Parameters:

PH	0 to 14
TEMPERATURE	Min. 35°F - Max. 100°F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.

IRONSOF FESLX

LX DIAMOND LINE

Compatibility

Ironsoft's backwash rates are a fraction of the requirement on ordinary iron filters, which allows usage on relatively poor-producing wells. Also, this system is not sensitive to pH and can operate in acidic water, which is not recommended with ordinary iron filters.

Customization

We understand that water comes in all shapes and sizes. Lancaster offers a range of capacity from 24,000 to 60,000 grains to ensure the system will meet the water treatment needs of the household.

Improved Taste & Less Staining

Iron imparts a metallic taste to water, and, even worse, it stains practically everything it contacts. IronSoft removes this unwanted mineral and softens your water to provide clean-tasting and stain-free experience right from your faucet.



EASY SET-UP



REDUCED WATER USAGE

WITH PLATED TANK TECHNOLOGY



LOW MAINTENANCE



ADVANCED DIAGNOSTICS

IRONSOF FESLX

LANCASTER'S DIAMOND LINE IRONSOF NOT ONLY SOFTENS HARD WATER BUT REMOVES UP TO 10 PPM OF FERROUS (CLEAN WATER) IRON AND/OR FERRIC (RED WATER) IRON.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line Ironsoft and flows through the resin.
2. Iron and hardness are removed via ion exchange and mechanical filtration.
3. Treated water enters your home free of staining iron.
4. The LX Diamond Line IronSoft will calculate the appropriate time to regenerate, cleaning and recharging the media, so that it can continue to remove contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-FESLX-24B	12	1	54	.75	Hardness Removal up to 100 gpg
7-FESLX-32B	15	1	57	1	
7-FESLX-45B	22	1	58	1.5	
7-FESLX-60B	30	1	58	2	
7-FESLXC-24B	12	1	45	.75	Iron (Ferrous) Removal up to 10 ppm
7-FESLX125-32B	22	1.25	57	1	
7-FESLX125-45B	22	1.25	57	1.5	
7-FESLX125-60B	23	1.25	57	2	
7-FESLX125-90B	24	1.25	75	3	
7-FESLX125-120B	25	1.25	75	4	

*Height for estimating purposes
** FESLXC units come in single tank cabinets

Operating Parameters:

PH	0 to 14
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	2 gpg of hardness required for each ppm or iron (3ppm min.). Other equipment may be needed based on water quality.

CITYSOFT LXDCATS/LXDCS/LXDNS LX DIAMOND LINE

Perfect for City Life

Public water comes with convenience but less control over the taste and health of your water. With the CitySoft, you have the power to influence your water quality with a compact, mid-plate media tank design that removes chlorine or corrects pH. Naturally, it leaves you with great tasting, healthy water.

Environmentally Friendly

With a fully adjustable regeneration cycle, you can minimize salt and water usage. Also, within one regeneration cycle, the system cleans the filter and softener simultaneously to conserve water.

Increased Efficiency

The high-performance mineral tank with distribution plates combined with the control valve allows the system to reduce discharge and increase efficiency – saving on time and money.



**EASY
SET-UP**



**REDUCED
WATER USAGE**
WITH PLATED TANK TECHNOLOGY



**LOW
MAINTENANCE**



**ADVANCED
DIAGNOSTICS**

CITYSOFT LXDCATS/LXDCS/LXDNS

THE CITYSOFT IS TWO TREATMENT TECHNOLOGIES IN ONE. TOGETHER THEY REMOVE CHLORINE OR RAISE THE PH WHETHER YOUR WATER IS CHLORINATED OR CORROSIVE, WHILE SIMULTANEOUSLY PROVIDING CRYSTAL-CLEAR, SOFTENED WATER.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line CitySoft™ and flows through the resin and carbon (DCATS/DCS) or neutralizing media (DNS).
2. Hardness is removed via an ion exchange, while the carbon captures organic molecules, or the neutralizing media is dissolved raising the water's pH.
3. Treated water enters your home free of hardness, color, taste, and odor (DCATS/DCS) or free of hardness and corrosion causing acidity (DNS).
4. The LX Diamond Line CitySoft™ will calculate the appropriate time to regenerate, cleaning and recharging the resin and carbon/neutralizing media, so that it can continue to remove contaminants to incoming water. (Neutralizing media will need to be added over time).



TYPE	MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
CITYSOFT PLUS™	7-LXDCATS-75B	5	1	64	.75	Hardness Removal up to 100 gpg.
	7-LXDCATS-100B	5	1	70	1	
	7-LXDCATS-150B	10	1	64	1.5	Chlorine/Chloramines Reduction
	7-LXDCATS-200B	10	1	64	2	
CITYSOFT™	7-LXDCS-75B	5	1	64	.75	Hardness Removal up to 100 gpg.
	7-LXDCS-100B	5	1	70	1	
	7-LXDCS-150B	10	1	64	1.5	Chlorine Reduction
	7-LXDCS-200B	10	1	64	2	
	7-LXDNS-75B	5	1	64	.75	Hardness Removal up to 100 gpg.
	7-LXDNS-100B	5	1	70	1	
	7-LXDNS-150B	10	1	64	1.5	pH Correction min. 6.0 to 7.0
7-LXDNS-200B	10	1	64	2		

*Height for estimating purposes

Operating Parameters:

PH	6.0 to 7.0 (DNS), Wide range (DCS/DCATS)
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Upon installation, backwash to remove carbon fines before placing into service (DCS/DCATS). No iron to be present. Other equipment may be needed based on water quality.

TWIN TANK TTLX

LX DIAMOND LINE

Alternating Control Valve

Our twin tank version of the LX allows you to experience the benefits of treated water every single moment of the day. While other systems require downtime for regeneration, this model offers continuous soft water in place of installing two systems.

Environmentally Friendly

With the same environmental benefits in mind, this modular design significantly reduces monthly salt, water, and energy costs.

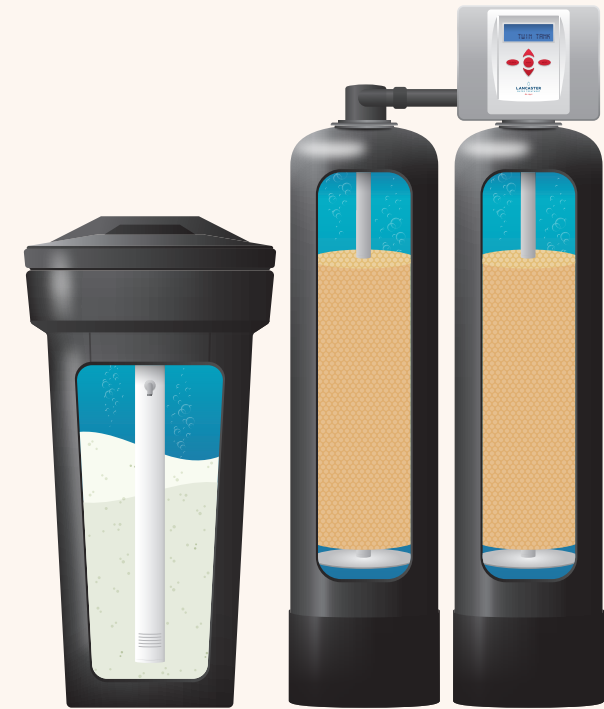


TWIN TANK TTLX

BRINGING YOU ADVANCED TECHNOLOGY AND ENHANCED PERFORMANCE, OUR DIAMOND LINE TWIN TANK PROVIDES YOU WITH THE PEAK EFFICIENCY FOR YOUR HOME 24 HOURS A DAY, SEVEN DAYS A WEEK, 365 DAYS A YEAR.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line Twin Tank Water Softener and flows through the resin.
2. Hardness is removed via ion exchange.
3. Treated water enters your home free of residue causing hardness.
4. The LX Diamond Line Twin Tank Water Softener will calculate the appropriate time to regenerate, cleaning and recharging the resin, while the secondary tank ensures the continuous removal of contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.**	TREATMENT
7-TTLX-150B	13	1	54	1.5	Hardness Removal up to 100 gpg Iron (Ferrous) Removal up to 0.5 ppm
7-TTLX-200B	17	1	50	2	
7-TTLX-300B	16	1	64	3	
7-TTLX-400B	18	1	58	4	
7-TTLX-600B	19	1	75	6	

*Height for estimating purposes
** Total CU. FT. per system

Operating Parameters:

PH	0 to 14
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.



EASY SET-UP



REDUCED WATER USAGE

WITH PLATED TANK TECHNOLOGY



LOW MAINTENANCE



ADVANCED DIAGNOSTICS

FILTER LX

LX DIAMOND LINE

Prevent Staining & Build-Up

Filters treat water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. As a result, water stains are eliminated, and the water system of your entire house will remain clear to maintain functionality.

Availability in Standard & Estate Models

We understand that homes come in all shapes and sizes. To ensure that we provide you with the best fit for your home, we offer our filters in 1" and 1.25" options, not limiting water flow rates and lowering the overall regeneration time.

Chemical Free Water Filtration

Utilizing physical filtering media to collect water contaminants rather than using chemicals to alter the contaminants within the water allows the system to provide your home with safe and healthy water.



CARBON FILTERS

BRINGING YOU ADVANCED TECHNOLOGY AND ENHANCED PERFORMANCE, OUR DIAMOND LINE CARBON FILTER PROVIDES YOUR FAMILY WITH WATER FREE OF CONTAMINANTS THAT NEGATIVELY IMPACT ITS COLOR TASTE AND ODOR.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line Carbon Filter and flows through the media.
2. The media's porous surface captures organic molecules
3. Treated water enters your home free of color, taste, and odor altering organics.
4. The LX Diamond Line Carbon Filter will calculate the appropriate time to backwash, keeping the media clean and loosely packed, so that it can continue to remove contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXCT-1B	5.5	6.5	1	54	1	Remove organic chemicals
7-LXCT-2B	9.2	10	1	58	2	
7-LXCT-3B	10.7	10	1	65	3	Remove color, taste, and odor problems
7-LXI25F-CT-2	11	10	1.25	58	2	Removes chlorine and chloramine residuals
7-LXI25F-CT-3	14	10	1.25	75	3	
7-LXI25F-CT-4	17	15	1.25	75	4	

*Height for estimating purposes

Operating Parameters:

PH	Wide range
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Upon installation, backwash to remove carbon fines before placing into service. Other equipment may be needed based on water quality.



EASY SET-UP



REDUCED WATER USAGE

WITH PLATED TANK TECHNOLOGY



LOW MAINTENANCE



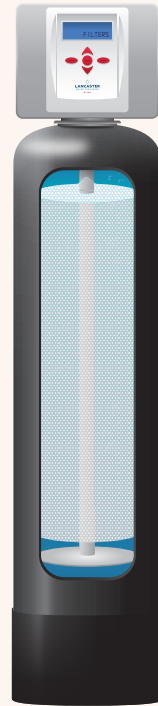
ADVANCED DIAGNOSTICS

SEDIMENT/TURBIDITY FILTER

BRINGING YOU ADVANCED TECHNOLOGY AND ENHANCED PERFORMANCE, OUR DIAMOND LINE SEDIMENT FILTER REMOVES PARTICULATES, SILICA, AND OTHER SUSPENDED MATTER PROVIDING CRYSTAL-CLEAR WATER.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line Sediment/Turbidity and flows through the media.
2. The media's fractured edges and irregular surface captures suspended solids.
3. Treated water enters your home free of fixture clogging sediment.
4. The LX Diamond Line Sediment/Turbidity will calculate the appropriate time to regenerate, keeping the media clean and loosely packed, so that it can continue to remove contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXST-1B	5.5	5.3	1	54	1	Removes dirt, silica, and most suspended matter
7-LXST-2B	9.2	9	1	58	2	
7-LXST-3B	10.7	9	1	67	3	
7-LXI25F-ST-2	11	9	1.25	58	2	
7-LXI25F-ST-3	14	9	1.25	75	3	
7-LXI25F-ST-4	17	15	1.25	75	4	

*Height for estimating purposes

Operating Parameters:

PH	Wide Range
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Allow bed to saturate before initial backwash. Other equipment may be needed based on water quality.

IRON FILTER

BRINGING YOU ADVANCED TECHNOLOGY AND ENHANCED PERFORMANCE, OUR DIAMOND LINE IRON FILTER PROVIDES CLEAN WATER FREE OF STAINING AND TASTE-ALTERING CONTAMINANTS.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line Iron Filter and flows through the media.
2. Iron and manganese are removed via oxidation and capturing the precipitates.
3. Treated water enters your home free of staining iron and manganese.
4. The LX Diamond Iron Filter will calculate the appropriate time to regenerate, keeping the media clean and loosely packed, so that it can continue to remove contaminants to incoming water. (Some media's requires regeneration with a weak solution of potassium permanganate to restore its oxidizing capacity).



MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXIM-1B	4.6	6.5	1	54	1	Removes iron & manganese Prevents rust stains on clothing and appliances
7-LXIM-2B	7.8	10	1	58	2	
7-LXIM-3B	9.1	10	1	75	3	
7-LXI25F-IM-2	11	10	1.25	58	2	Removes taste and color of iron
7-LXI25F-IM-3	14	10	1.25	75	3	
7-LXI25F-IM-4	17	15	1.25	75	4	

*Height for estimating purposes

Operating Parameters:

PH	6.8 to 9.0 (IM), 6.2 to 8.2 (TPIM)
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	No oil, polyphosphates or hydrogen sulfide to be present. Free chlorine concentration must be less than 0.5ppm. Other equipment may be needed based on water quality.

NEUTRALIZER LXDAN

LX DIAMOND LINE

Prevent Staining & Pipe Build-Up

Neutralizers treat water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. As a result, water stains and pitting are eliminated, maintaining the functionality of the water system of your entire home.

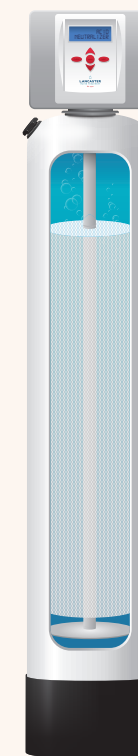
Availability in Standard & Estate Models

We understand that homes come in all shapes and sizes. To ensure that we provide you with the best fit for your home, we offer our acid neutralizers in 1" and 1.25" options, not limiting water flow rates and lowering the overall regeneration time.



ACID NEUTRALIZER LXDAN

OUR DIAMOND LINE ACID NEUTRALIZER CORRECTS CORROSIVE WATER BY RAISING THE PH WHICH ELIMINATES BLUE/GREEN STAINING, PIN HOLES, AND PREMATURE PIPE FAILURE.



HOW IT WORKS:

1. Untreated water enters the LX Diamond Line Acid Neutralizer and flows through the neutralizing media.
2. pH is raised as the media is dissolved into the water solution.
3. Treated water enters your home free of corrosion causing acidic water.
4. The LX Diamond Line Acid Neutralizer will calculate the appropriate time to backwash, keeping the remaining media clean and loosely packed, so that it can continue to remove contaminants to incoming water. (Additional media will need to be added over time).

MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXDAN-1B	5.5	6.5	1	57	1	Corrects low pH between 6.0 and 7.0 Reduces corrosion
7-LXDAN-1.5B	5.5	6.5	1	64	1.5	
7-LXDAN-2B	9.2	10	1	58	2	
7-LXDAN-3B	9.2	10	1	75	3	Corrects low pH between 5.5 and 7.0 Reduces corrosion
7-LXDANSM-1B	5.5	6.5	1	57	1	
7-LXDANSM-1.5B	5.5	6.5	1	64	1.5	
7-LXDANSM-2B	9.2	10	1	58	2	
7-LXDANSM-3B	9.2	10	1	75	3	Corrects low pH between 6.0 and 7.0 Reduces corrosion
7-LXI25F-DAN-1.5	11	6.5	1.25	64	1.5	
7-LXI25F-DAN-2	12	10	1.25	58	2	
7-LXI25F-DAN-3	14	10	1.25	75	3	
7-LXI25F-AN-4	17	15	1.25	75	4	

*Height for estimating purposes

Operating Parameters:

PH	5.5 to 7.0 (SuperMix), 6.0 to 7.0 (Calcite)
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Adds hardness that is removed by the Diamond Line Softener, as desired Other equipment may be needed based on water quality.



EASY
SET-UP



REDUCED
WATER USAGE
WITH PLATED TANK TECHNOLOGY



LOW
MAINTENANCE



ADVANCED
DIAGNOSTICS

AQUANUE LXCTAIR

LX DIAMOND LINE

Prevent Staining and Pipe Build-Up

Filters treat water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. As a result, water stains are eliminated, and the water system of your entire house will remain clear to maintain functionality.

Hydrogen Sulfide & Iron (Catalytic Carbon)

The Lancaster AquaNue LXCTAIR is a greener, environmentally friendly way to eliminate two of the most troublesome water quality challenges: hydrogen sulfide (rotten egg odor) and lower levels of iron. Oxidation of iron and hydrogen sulfide gas is initiated as the water passes through a compressed pocket of air. Dissolved oxygen-enriched water now continues through a catalytic media, enhancing the oxidation reaction and producing precipitates that are easily filtered. Accumulated sediment is backwashed out daily and a new air pocket is formed.

Chemical Free Water Filtration

Utilizing physical filtering media to collect water contaminants rather than using chemicals to alter the contaminants within the water allows the system to provide your home with safe and healthy water.



AQUANUE LXCTAIR

A SIMPLIFIED WAY TO ELIMINATE HYDROGEN SULFIDE GAS AND IRON WITHOUT THE USE OF CHEMICALS.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line AquaNue™ LXCTAIR and flows through the media.
2. Hydrogen sulfide and iron are removed as the media oxidates and captures the precipitates.
3. Treated water enters your home free of staining iron and odorous hydrogen sulfide.
4. The LX Diamond Line AquaNue™ LXCTAIR will calculate the appropriate time to backwash, reforming the air pocket, while keeping the media clean and loosely packed, so that it can continue to remove contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXCTAIR-1B	5.5	5.3	1	64	1	Removes hydrogen sulfide and iron
7-LXCTAIR-2B	10.7	10	1	75	2	
7-LXCTAIR-3B	14	15	1	75	3	

*Height for estimating purposes

Operating Parameters:

PH	Effective as low as 5.8, 7.0 to 8.5 (recommended)
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.



EASY
SET-UP



REDUCED
WATER USAGE
WITH PLATED TANK TECHNOLOGY



LOW
MAINTENANCE



ADVANCED
DIAGNOSTICS

AQUANUE LXIMAIR

LX DIAMOND LINE

Prevent Staining and Pipe Build-Up

Filters treat water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. As a result, water stains are eliminated, and the water system of your entire house will remain clear to maintain functionality.

Iron (Birm)

Lancaster's AquaNue LXIMAIR removes iron filtering other suspended matter, preventing rust stains on clothing, appliances and removes taste and color of iron.

Chemical Free Water Filtration

Utilizing physical filtering media to collect water contaminants rather than using chemicals to alter the contaminants within the water allows the system to provide your home with safe and healthy water.



AQUANUE LXIMAIR

A SIMPLIFIED WAY TO ELIMINATE IRON WITHOUT THE USE OF CHEMICALS.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line AquaNue™ LXIMAIR and flows through the media.
2. Iron is removed as the media oxidates and captures the precipitates.
3. Treated water enters your home free of staining iron.
4. The LX Diamond Line AquaNue™ LXIMAIR will calculate the appropriate time to backwash, reforming the air pocket, while keeping the media clean and loosely packed, so that it can continue to remove contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXIMAIR-1B	4.6	5.3	1	64	1	Removes iron
7-LXIMAIR-2B	9.1	10	1	75	2	
7-LXIMAIR-3B	11.9	15	1	75	3	

*Height for estimating purposes

Operating Parameters:

PH	6.8 to 7.5
TEMPERATURE	Min. 35°F - Max. 100°F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	No oil, polyphosphates or hydrogen sulfide to be present. Free chlorine concentration must be less than 0.5 ppm. Organic matter must be less than 5 ppm. Other equipment may be needed based on water quality.



EASY
SET-UP



REDUCED
WATER USAGE
WITH PLATED TANK TECHNOLOGY



LOW
MAINTENANCE



ADVANCED
DIAGNOSTICS

AQUANUE LXXATAIR

LX DIAMOND LINE

Prevent Staining and Pipe Build-Up

Filters treat water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. As a result, water stains are eliminated, and the water system of your entire house will remain clear to maintain functionality.

Hydrogen Sulfide, Iron & Manganese (Katalox Light)

Lancaster's AquaNue LXXATAIR uses this unique lightweight, high surface area filtration media with a high concentration MnO₂ catalytic coating technique for hydrogen sulfide, higher levels of iron, manganese and sediment. It provides higher filtration rates, extended service life and reliable performance without producing a disinfection by-product.

Chemical Free Water Filtration

Utilizing physical filtering media to collect water contaminants rather than using chemicals to alter the contaminants within the water allows the system to provide your home with safe and healthy water.



AQUANUE LXXATAIR

A SIMPLIFIED WAY TO ELIMINATE HYDROGEN SULFIDE GAS, IRON AND MANGANESE WITHOUT THE USE OF CHEMICALS.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line AquaNue™ LXXATAIR and flows through the media.
2. Hydrogen sulfide, iron, and manganese are removed as the media oxidates and captures the precipitates.
3. Treated water enters your home free of staining iron and manganese, and odorous hydrogen sulfide.
4. The LX Diamond Line AquaNue™ LXXATAIR will calculate the appropriate time to backwash, reforming the air pocket, while keeping the media clean and loosely packed, so that it can continue to remove contaminants to incoming water.

MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXXATAIR-1B	4.6	5.3	1	64	1	Removes iron, manganese and hydrogen sulfide Reduces turbidity
7-LXXATAIR-2B	9.1	10	1	75	2	
7-LXXATAIR-3B	11.9	15	1	75	3	

*Height for estimating purposes

Operating Parameters:

PH	Effective as low as 5.8, 7.5 to 8.5 (recommended)
TEMPERATURE	Min. 35°F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	No organic matter to be present. Other equipment may be needed based on water quality.



EASY SET-UP



REDUCED WATER USAGE

WITH PLATED TANK TECHNOLOGY



LOW MAINTENANCE



ADVANCED DIAGNOSTICS

AQUANUE L XKATAIRO3

LX DIAMOND LINE

Prevent Staining and Pipe Build-Up

Filters treat water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. As a result, water stains are eliminated, and the water system of your entire house will remain clear to maintain functionality.

Hydrogen Sulfide, Iron, Manganese & Nuisance Bacteria¹ (Katalox Light & Ozone)

The Lancaster AquaNue L XKATAIRO3 uses the natural powers of ozone to enhance the oxidation and filtration of hydrogen sulfide, iron, manganese and nuisance bacteria from your home's water. Ozone eliminates the need for chemical feed pumps, is 1.5 times stronger than chlorine, more environmentally friendly and safe for septic systems. The Enhanced Oxygen Generator (EOG) creates a controlled amount of ozone in the filter, increasing the oxidation process while providing anti-microbial protection.

¹ - Nuisance bacteria refers to iron and sulfate reducing bacteria which are harmless to human health

Chemical Free Water Filtration

Utilizing physical filtering media to collect water contaminants rather than using chemicals to alter the contaminants within the water allows the system to provide your home with safe and healthy water.



AQUANUE L XKATAIRO3

A SIMPLIFIED WAY TO ELIMINATE HIGHER LEVELS OF HYDROGEN SULFIDE GAS, IRON AND MANGANESE WITHOUT THE USE OF CHEMICALS.

HOW IT WORKS:

1. Untreated water enters the LX Diamond Line AquaNue™ L XKATAIRO3 and flows through the Ozone highly oxidated media.
2. Hydrogen sulfide, iron, manganese, and nuisance bacteria are removed as the media oxidates and captures the precipitates.
3. Treated water enters your home free of staining iron and manganese, odorous hydrogen sulfide, and iron and sulfate reducing bacteria.
4. The LX Diamond Line AquaNue™ L XKATAIRO3 will calculate the appropriate time to backwash, reforming the air pocket, while keeping the media clean and loosely packed, so that it can continue to remove contaminants to incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LXKATAIRO3-1B	4.6	5.3	1	64	1	Removes iron, manganese, hydrogen sulfide, and nuisance bacteria Reduces turbidity
7-LXKATAIRO3-2B	9.1	10	1	75	2	

*Height for estimating purposes

Operating Parameters:

PH	Effective as low as 5.8, 7.5 to 8.5 (recommended)
TEMPERATURE	Min. 35° F - Max. 100° F
PRESSURE	Min. 20 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	No chlorine to be present. No organic matter to be present. Other equipment may be needed based on water quality.



EASY SET-UP



REDUCED WATER USAGE

WITH PLATED TANK TECHNOLOGY



LOW MAINTENANCE



ADVANCED DIAGNOSTICS

You should probably get tested.

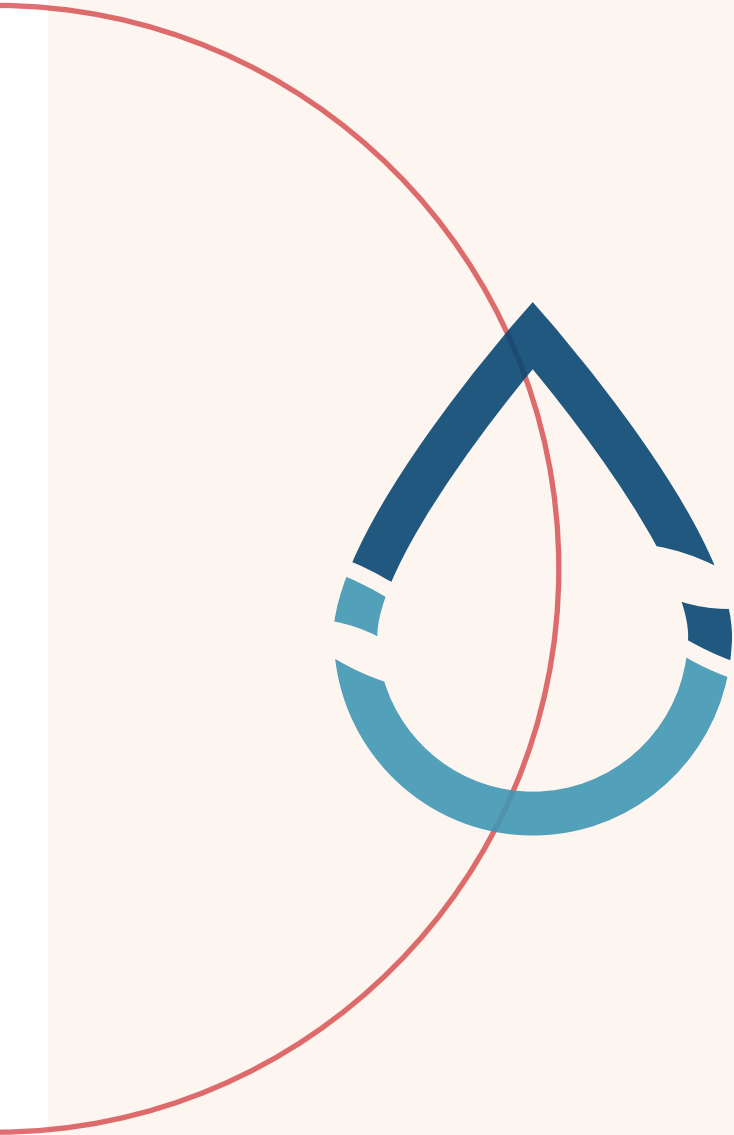
WATER TESTING

Lancaster's proven water testing method takes the sizing and selecting out of your hands to deliver a customized recommendation for each customer's specific water treatment needs.

Upon receiving a sample, Lancaster begins the process of testing with care and precision. Each bottle is tracked electronically through our proprietary platform LWGconnect.com, assuring that the information is kept secure and available for future use. Our lab technicians receive each sample, perform tests, and deliver their results to our Engineering Department where a recommendation is determined for the application. We aim to have a recommendation in your hands within 24 hours of Lancaster receiving it.



**IT IS THAT EASY.
YOU SEND US A SAMPLE,
WE TELL YOU WHAT
YOU NEED TO
FIX YOUR WATER.**



LANCASTERWATERGROUP.COM

