

*unrivaled*

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# WATER

# TREATMENT

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LES PLATINUM, LER GOLD,  
LET BRONZE, AND UP-FLOW LINES



**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**



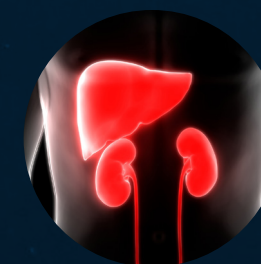
**ARSENIC**



**HARDNESS**



**LEAD**



**PFAS**



**NITRATES**



# Lancaster's



With more than 80 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

**HAVING**  
*your*  
**BACK**

Manufactured using only the best and durable materials that are backed by our **10-Year 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.

## CONTROL VALVES

Adjustable  
Cycle Times

Treated  
Brine



Metered & Timed  
Regeneration

Backlit  
Display

**LES**  
SOFTENERS & IRONSOFTS

Selectable  
Programming

Treated  
Brine



Metered & Timed  
Regeneration

**LER**  
SOFTENERS

Selectable  
Programming



Timed  
Backwash

**LET**  
FILTERS & NEUTRALIZERS

Non-  
Electric



No  
Backwash

**UF**  
FILTERS, NEUTRALIZERS, -  
& ECOSENSE



# SOFTENER LES

## LES PLATINUM 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 & Cabinet 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 standard two tank units and space saving cabinet models.

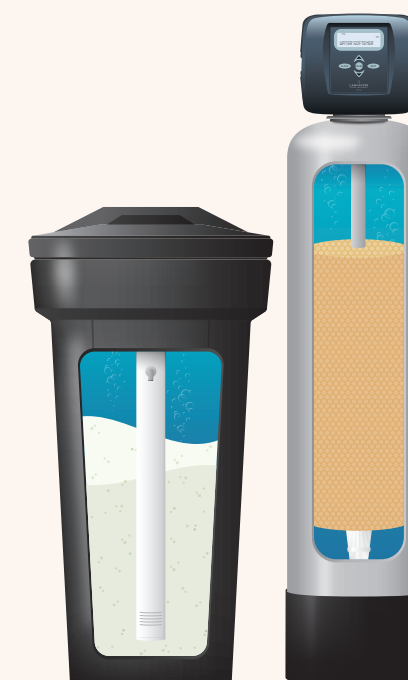


## SOFTENER LES

BRINGING YOU ADVANCED TECHNOLOGY AND ENHANCED PERFORMANCE, OUR LES PLATINUM LINE SOFTENER REMOVES UNWANTED HARDNESS AND MINERALS FROM YOUR HOUSEHOLD WATER.

### HOW IT WORKS:

1. Untreated water enters the LES Platinum 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 LES Platinum 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-LES-75B	11	1	54	.75	Hardness Removal up to 100 gpg
7-LES-100B	13	1	50	1	
7-LES-150B	14	1	64	1.5	
7-LES-200B	16	1	62	2	Iron (Ferrous) Removal up to 0.5 ppm
7-LES-300B	19	1	75	3	
7-LECS-50B	12	1	28	.5	Iron (Ferrous) Removal up to 0.5 ppm
7-LECS-75B	16	1	45	.75	
7-LECS-100B	17	1	45	1	

\*Height for estimating purposes  
\*\* LECS 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.



# IRONSOFT FESLES

## LES PLATINUM 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.



## IRONSOFT FESLES

LANCASTER'S LES PLATINUM LINE IRONSOFT NOT ONLY SOFTENS HARD WATER BUT WILL REMOVE UP TO 10 PPM OF FERROUS (CLEAN WATER) IRON AND/OR FERRIC (RED WATER) IRON.

### HOW IT WORKS:

1. Untreated water enters the LES Platinum 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 LES Platinum Line IronSoft will calculate the appropriate time to regenerate, cleaning and recharging the media, so that it can continue to remove contaminants from incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-FESLES-24B	11	1	54	.75	Hardness Removal up to 100 gpg
7-FESLES-32B	13	1	57	1	
7-FESLES-45B	14	1	62	1.5	Iron (Ferrous) Removal up to 7 ppm
7-FESLES-60B	18	1	64	2	

\*Height for estimating purposes

### 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



FIELD-PROVEN TECHNOLOGY



LOW MAINTENANCE



DIAGNOSTICS





# SOFTENER LER

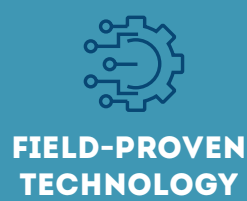
## LER GOLD LINE

### 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 & Cabinet 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 standard two tank units and space saving cabinet models.



## SOFTENER LER

BRINGING YOU TECHNOLOGY AND PERFORMANCE, OUR LER GOLD LINE SOFTENER REMOVES UNWANTED HARDNESS AND MINERALS FROM YOUR HOUSEHOLD WATER.

### HOW IT WORKS:

1. Untreated water enters the LER Gold 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 LER Gold Line Water Softener will calculate the appropriate time to regenerate, cleaning and recharging the resin, so that it can continue to remove contaminants from incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LER-75B	11	1	54	.75	Hardness Removal up to 100 gpg
7-LER-100B	13	1	50	1	
7-LER-150B	14	1	64	1.5	
7-LER-200B	16	1	62	2	
7-LER-300B	19	1	75	3	Iron (Ferrous) Removal up to 0.5 ppm
7-LECR-50B	12	1	28	.5	
7-LECR-75B	16	1	45	.75	
7-LECR-100B	17	1	45	1	

\*Height for estimating purposes  
\*\*LECR 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.



# FILTER LET

## LET BRONZE 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.

### 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.



**EASY SET-UP**



**FIELD-PROVEN TECHNOLOGY**



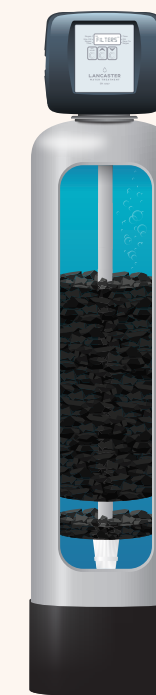
**LOW MAINTENANCE**

## CARBON FILTERS LETCT

BRINGING YOU TECHNOLOGY AND PERFORMANCE, OUR LET BRONZE LINE CARBON FILTER PROVIDES YOUR FAMILY WITH WATER FREE OF CONTAMINANTS THAT NEGATIVELY IMPACT THE COLOR, TASTE, AND ODOR.

### HOW IT WORKS:

1. Untreated water enters the LET Bronze 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 LET Bronze Line Carbon Filter will backwash at pre-programmed intervals, keeping the media clean and loosely packed, so that it can continue to remove contaminants from incoming water.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LETCT-1B	5.5	6.5	1	54	1	Removes organic chemicals
7-LETCT-2B	9.2	10	1	64	2	Removes color, taste, and odor problems
7-LETCT-3B	10.7	10	1	75	3	Removes chlorine residuals

\*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. Upon installation, backwash to remove carbon fines before placing into service. Other equipment may be needed based on water quality.

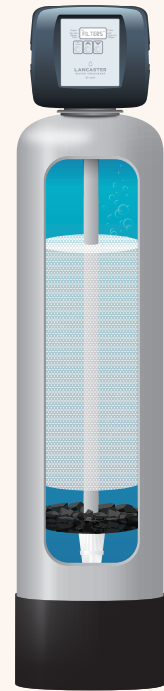


## SEDIMENT FILTERS LETST

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

### HOW IT WORKS:

1. Untreated water enters the LET Bronze Line Sediment/Turbidity Filter 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 LET Bronze Line Sediment/Turbidity will backwash at preprogrammed intervals, keeping the media clean and loosely packed, so that it can continue to remove contaminants from incoming water.



BRONZE LINE: SEDIMENT FILTERS LETST

MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LETST-1B	5.5	5.3	1	54	1	Removes dirt, silica, and most suspended matter
7-LETST-2B	9.2	9.0	1	64	2	
7-LETST-3B	10.7	9.0	1	75	3	

\*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.

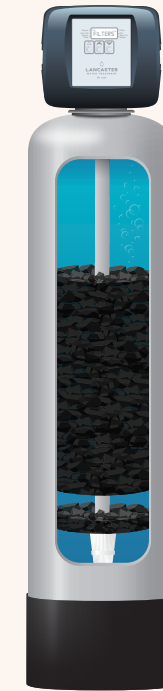


## IRON FILTERS LETIM

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

### HOW IT WORKS:

1. Untreated water enters the LET Bronze 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 LET Bronze Line Iron Filter will backwash at preprogrammed intervals, keeping the media clean and loosely packed, so that it can continue to remove contaminants from water.



BRONZE LINE: IRON FILTERS LETIM

MODEL NUMBER	SERVICE FLOW RATE (GPM)	BACKWASH (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-LETIM-1B	4.6	6.5	1	54	1	Removes iron & manganese
7-LETIM-2B	7.8	10	1	64	2	Prevents rust stains on clothing and appliances
7-LETIM-3B	9.1	10	1	75	3	Removes taste and color of iron

\*Height for estimating purposes

### Operating Parameters:

PH	6.8 to 9.0
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 LETDAN

## LET BRONZE 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.



## ACID NEUTRALIZER LETDAN

OUR LET BRONZE 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 LET Bronze 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 LET Bronze Line Acid Neutralizer will backwash at preprogrammed intervals, keeping the remaining media clean and loosely packed, so that it can continue to remove contaminants from 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-LETDAN-1B	5.5	6.5	1	57	1	Corrects low pH between 6.0 and 7.0 Reduces corrosion
7-LETDAN-1.5B	5.5	6.5	1	64	1.5	
7-LETDAN-2B	9.2	10	1	64	2	
7-LETDAN-3B	9.2	10	1	75	3	Corrects low pH between 5.5 and 6.0 Reduces corrosion
7-LETDANSM-1B	5.5	6.5	1	57	1	
7-LETDANSM-1.5B	5.5	6.5	1	64	1.5	
7-LETDANSM-2B	9.2	10	1	64	2	
7-LETDANSM-3B	9.2	10	1	75	3	

\*Height for estimating purposes

### Operating Parameters:

PH	5.5 to 6.0 (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 a Lancaster Softener, as desired. Other equipment may be needed based on water quality.



# CARBON FILTER UFCT

## UP-FLOW 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.

### 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.

### Reduced Water & Energy

The Up-Flow filters are designed as a simple and effective method to treat the water in the house without the requirement of electricity or backwashing water to drain.



NON-ELECTRIC



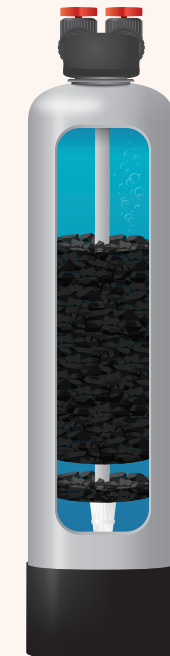
FIELD-PROVEN  
TECHNOLOGY

## CARBON FILTER UFCT

OUR UP-FLOW CARBON FILTER PROVIDES YOUR FAMILY WITH WATER FREE OF CONTAMINANTS THAT NEGATIVELY IMPACT THE COLOR, TASTE, AND ODOR.

### HOW IT WORKS:

1. Untreated water enters the Up-Flow 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 Up-Flow Carbon Filter perpetually, slightly lifts the media with water flow to prevent compaction so that it can continue to remove contaminants from incoming water.



UP-FLOW LINE: CARBON FILTER UFCT

MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-UFCT-1B	5.5	1	54	1	Removes organic chemicals
7-UFCT-2B	9.2	1	64	2	Removes color, taste, and odor problems
7-UFCT-3B	10.7	1	74	3	Removes chlorine residuals

\*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. Upon installation, backwash to remove carbon fines before placing into service. Other equipment may be needed based on water quality.

WWW.LANCASTERWATERGROUP.COM | 1.800.442.0786 |



MADE IN USA

# NEUTRALIZER UFAN

## UP-FLOW LINE

### Prevent Staining & 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.

### Reduced Water & Energy

The Up-Flow filters are designed as a simple and effective method to treat the water in the house without the requirement of electricity or backwashing water to drain.



NON-ELECTRIC



FIELD-PROVEN  
TECHNOLOGY



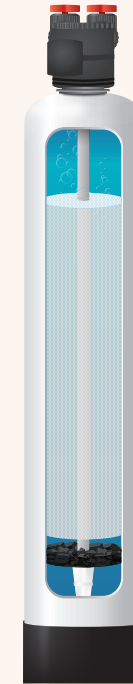
BUILT IN  
FILL PORT

## ACID NEUTRALIZER UFAN

OUR UP-FLOW 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 Up-Flow 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 Up-Flow Acid Neutralizer perpetually, slightly lifts the media with water flow to prevent compaction so that it can continue to remove contaminants from incoming water. (Additional media will need to be added over time).



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT.	TREATMENT
7-UFAN-1B	5.5	1	54	1	Corrects low pH between 6.0 and 7.0 Reduces corrosion
7-UFAN-1.5B	5.5	1	64	1.5	
7-UFAN-2B	7.9	1	62	2	
7-UFAN-3B	10.7	1	75	3	Corrects low pH between 5.5 and 6.0 Reduces corrosion
7-UFANSM-1B	5.5	1	54	1	
7-UFANSM-1.5B	5.5	1	64	1.5	
7-UFANSM-2B	7.9	1	62	2	
7-UFANSM-3B	10.7	1	75	3	

\*Height for estimating purposes

### Operating Parameters:

PH	5.5 to 6.0 (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 a Lancaster Softener, as desired. Other equipment may be needed based on water quality.



# ECOSENSE UFAS

## UP-FLOW LINE

### Scale Prevention

The EcoSense treats water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. Hardness minerals are transformed into harmless, inactive microscopic crystal particles that stay suspended in the water and pass to the drain. As a result, scale build up is eliminated, maintaining the functionality of the water system of your entire home.

### Reduced Water & Energy

The Up-Flow filters are designed as a simple and effective method to treat the water in the house without the requirement of electricity or backwashing water to drain.



NON-ELECTRIC



FIELD-PROVEN  
TECHNOLOGY



SALT FREE

## ECOSENSE UFAS

OUR UP-FLOW ECOSENSE PREVENTS SCALE BUILD-UP, PROTECTING THE PROPER FUNCTION OF BOTH INTERNAL AND EXTERNAL PLUMBING SURFACES AND EQUIPMENT.

### HOW IT WORKS:

1. Untreated water enters the Up-Flow EcoSense 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 Up-Flow EcoSense perpetually, slightly lifts the media with water flow, ensuring proper contact time with the media.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	UNIT HEIGHT (IN.)	CU. FT. (LBS.)	TREATMENT
7-UFAS-011	10	1	54	0.11 (5.0)	Stops new Scale formation
7-UFAS-016	15	1	64	0.16 (7.6)	Aids in removal of existing Scale
7-UFAS-026	25	1	58	0.26 (12.7)	

\*Height for estimating purposes

### Operating Parameters:

PH	6.5 - 8.5
TEMPERATURE	Min. 40°F - Max. 120°F
PRESSURE	Min. 15 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	<p>Ferrous Irons must be less than 0.3 mg/l.                      Manganese must be less than 0.05 mg/l.                      Chlorine must be less than 4ppm.                      Hardness 25 grains max.                      No oil, polyphosphates or hydrogen sulfide to be present.                      Other equipment may be needed based on water quality.                      Always the last piece of equipment in line.</p>



*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](http://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.

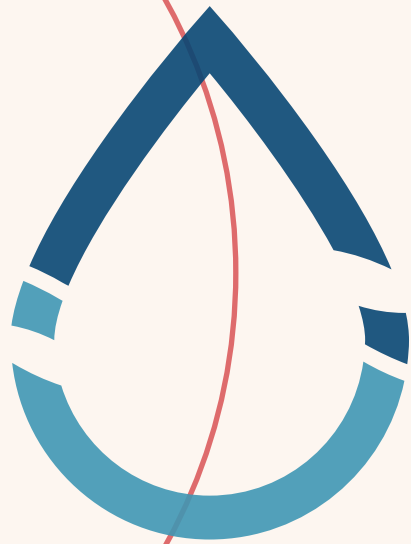


**IT IS THAT EASY.**  
**YOU SEND US A SAMPLE,**  
**WE TELL YOU WHAT**  
**YOU NEED TO**  
**FIX YOUR WATER.**

 **LWG**CONNECT

**EXCLUSIVELY AVAILABLE THROUGH  
YOUR CERTIFIED AQUATECHNICIAN DEALER.**





[LANCASTERWATERGROUP.COM](http://LANCASTERWATERGROUP.COM)

