

unrivaled

WATER

TREATMENT

ULTRAVIOLET, CARTRIDGE FILTRATION,
REVERSE OSMOSIS, & CHEMICAL FEED



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.

Applications

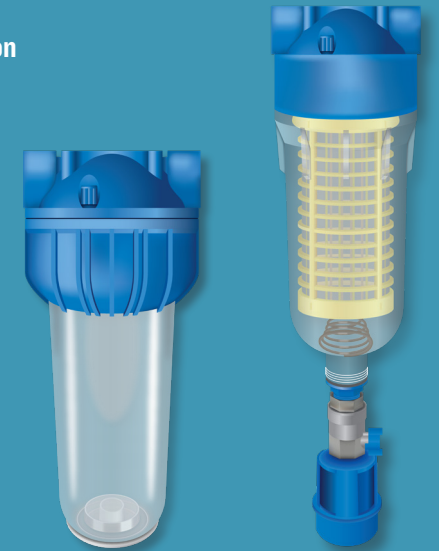
HAVING
your
BACK

Manufactured using only the best and durable materials that are backed by our industry leading warranties.



ULTRAVIOLET

- Residential & Commercial drinking water disinfection
- Surface water disinfection
- Water reclamation



CARTRIDGE FILTRATION

- Residential safeguarding of pipes, fixtures, water heaters, and appliances
- Commercial protection of plumbing, ice machines, and dishwashers
- Filtration of chemicals and contaminants

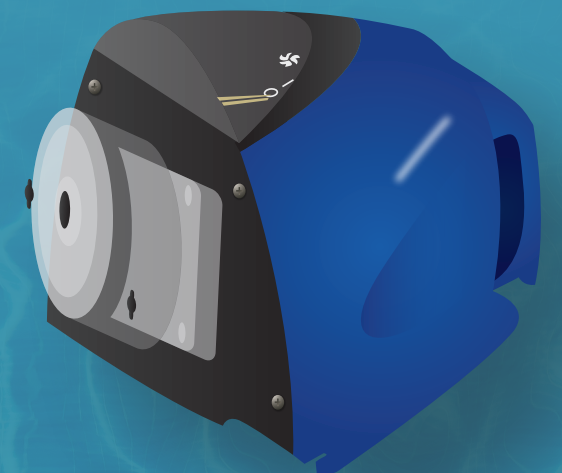


REVERSE OSMOSIS

- Water purification and polishing
- Contaminant filtration
- Sodium Reduction

CHEMICAL SOLUTION FEEDERS

- Residential & Commercial drinking water disinfection
- Residential and commercial pH adjustment
- Simultaneous treatment of multiple contaminants



ULTRAVIOLET PURIFICATION

HALO SHIELD

Protects your Family

Ultraviolet (UV) rays penetrate bacteria, disinfecting your water while neutralizing 99.9% of harmful microorganisms.

Chemical Free

UV technology is more effective than chemicals at disinfecting certain waterborne contaminants without altering the taste of the water.

Environmentally Friendly

Taking a page from the technology of nature, UV treats water without imparting any toxic by-products.



EASY SET-UP



ADVANCED PROTECTION



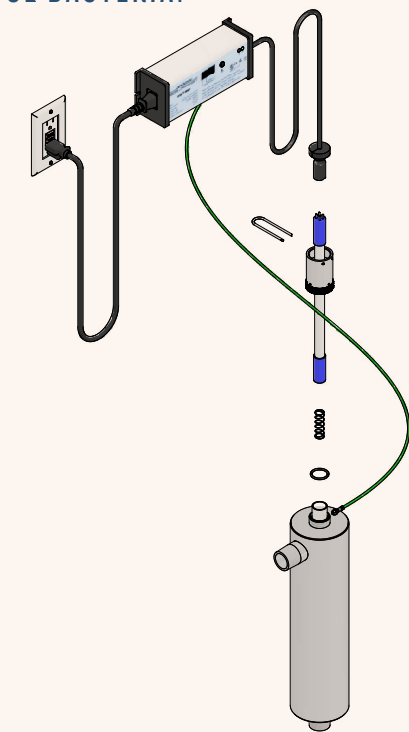
HIGH INTENSITY OUTPUT

HALO SHIELD

BUILT TO LAST WITH THE POWER OF OUR HIGH-INTENSITY ULTRAVIOLET BULB AND CORE CHAMBER TECHNOLOGY, THE HALO SHIELD WILL NEUTRALIZES HARMFUL BACTERIA.

HOW IT WORKS:

1. Untreated water enters the Halo Shield Ultraviolet chamber.
2. The water is exposed to ultraviolet rays that penetrate the bacteria, inactivating 99.99% of harmful microorganisms.
3. Treated water exits the chamber and enters your home disinfected.
4. The high-intensity ultraviolet bulb and core chamber continuously neutralize bacteria with annual maintenance.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	LAMP QUANTITY	VESSEL SIZE D x H (IN.)	SYSTEM MONITOR	TREATMENT
7-LWT-UV009	9	1	1	3.50 x 17.38	Lamp-on, Lamp life remaining (days)	Disinfects water
7-LWT-UV016	16	1	1	3.50 x 25.63	Ballast total running days, Lamp replacement reminder, Lamp failure	Neutralizes 99.9% of harmful microorganisms
7-LWT-UV030	30	1.5	1	3.50 x 39.75		

*Dimensions for estimating purposes

**At flow rates indicated, models meet or exceed 30mJ/cm² at 95% UFT at end of lamp life

***Proprietary high intensity Lancaster bulb replacements required to maintain proper function

Operating Parameters:

SERVICE TIME	Max. 1 yr. (9000 hrs.) bulb
TEMPERATURE	Min. 36°F - Max. 104°F
PRESSURE	Max. 125 PSI
OTHER CONSIDERATIONS	Pre-treatment required. Other equipment may be needed based on water quality.

ULTRAVIOLET PURIFICATION

CLEAR-FLO HALO SHIELD

Protects your Family

Ultraviolet (UV) rays penetrate bacteria, disinfecting your water while neutralizing 99.9% of harmful microorganisms.

Chemical Free

UV technology is more effective than chemicals at destroying certain waterborne contaminants without altering the taste of the water.

Environmentally Friendly

Taking a page from the technology of nature, UV treats water without imparting any toxic by-products.

Prevent Build-Up

The Sediment Filter protects the ultraviolet chamber and quartz sleeve from developing build up that would inhibit the lights effectiveness.



EASY SET-UP



ADVANCED PROTECTION



HIGH INTENSITY OUTPUT



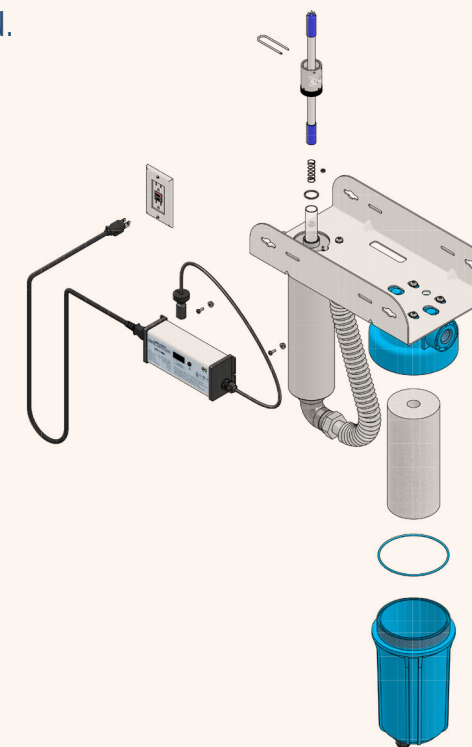
PRE FILTER PROTECTION

CLEAR-FLO HALO SHIELD

OUR CLEAR-FLO HALO SHIELD PROTECTS YOUR INVESTMENT WITH SEDIMENT PRE-FILTRATION WHILE PROTECTING YOUR FAMILY WITH BACTERIA DISINFECTION.

HOW IT WORKS:

1. Untreated water enters the Clear-Flo Sediment filter Housing and flow through the melt-blow polypropylene cartridge which captures suspended solids.
2. The water flows to the Halo Shield Ultraviolet chamber where it is exposed to ultraviolet rays that penetrate the bacteria, inactivating 99.99% of harmful microorganisms.
3. Treated water exits the chamber and enters your home disinfected.
4. The cartridge prevents build up so the high-intensity ultraviolet bulb and core chamber can continuously neutralize bacteria with proper maintenance.



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	LAMP/ CARTRIDGE QUANTITY	DIMENSIONS DxHxW (IN.)	SYSTEM MONITOR	TREATMENT
7-LWT-UV410-009	9	1	1 each	21 x 20.44 x 11.25	Lamp-on, Lamp life remaining (days) Ballast total running days, Lamp replacement reminder, Lamp failure	Removes dirt, silica, and most suspended matter Disinfects water Neutralizes 99.9% of harmful microorganisms

*Dimensions for estimating purposes

**At flow rates indicated, models meet or exceed 30mJ/cm² at 95% UFT at end of lamp life

***Proprietary high intensity Lancaster bulbs and cartridges replacements required to maintain proper function

Operating Parameters:

SERVICE TIME	Max. 1 yr. (9000 hrs.) - bulb, Avg. 6 mths. - cartridge
TEMPERATURE	Min. 36°F - Max. 104°F
PRESSURE	Min. 7.25 PSI - Max. 120 PSI
OTHER CONSIDERATIONS	Pre-treatment required. Other equipment may be needed based on water quality.

CARTRIDGE FILTRATION

CLEAR-FLO

Prevent Staining & Build-Up

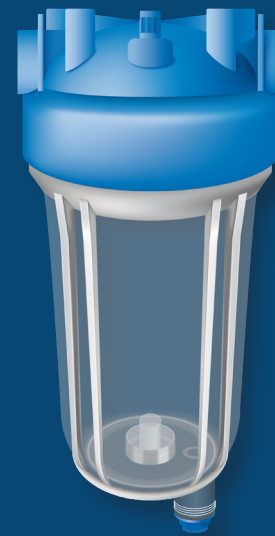
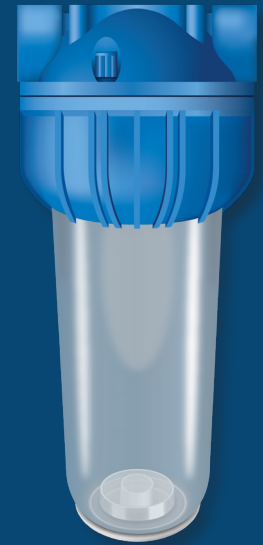
Filters treat water to protect pipes, faucets, water heaters, boilers, and other appliances that require the use of water. As a result, water stains are eliminated, and the water system will remain clear to maintain functionality.

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.

Space Saving

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 these space saving cartridge filtration options.



CLEAR-FLO WHOLE HOUSE FILTER

OUR CLEAR-FLO WHOLE HOUSE FILTER CAN HANDLE LARGE CAPACITY OR HEAVY-DUTY SEDIMENT FILTRATION REQUIREMENTS, SUITABLE FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS.

HOW IT WORKS:

1. Untreated water enters the Clear-Flo Whole House Filter Housing.
2. The water flows through the melt-blow polypropylene cartridge which captures suspended solids.
3. Treated water enters your home free of fixture clogging sediment.
4. The Clear-Flo Whole House Filter continuously removes contaminants to incoming water while properly maintained.

APPLICATIONS:

- Ultraviolet pre-filtration
- General sediment filtration
- Protection from public water deterioration and flushing



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	DIMENSIONS HxW (IN.)	MICRON	TREATMENT
410-WH-5-P	18	1	15.35 x 7.48	5	Removes dirt, silica, and most suspended mater

*Dimensions for estimating purposes
** Package includes wrench, bracket, and lubrication kit

Operating Parameters:

SERVICE TIME	Avg. 6 mths. – Cartridge, Max. 5yrs – Housing Sump
TEMPERATURE	Min. 39.2°F - Max. 113°F
PRESSURE	Max. 120 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.



EASY
SET-UP



SIMPLIFIED
MAINTENANCE



BROAD
SOLUTION RANGE



CONTAMINANT
REMOVAL

CLEAR-FLO TANKLESS PROTECTOR

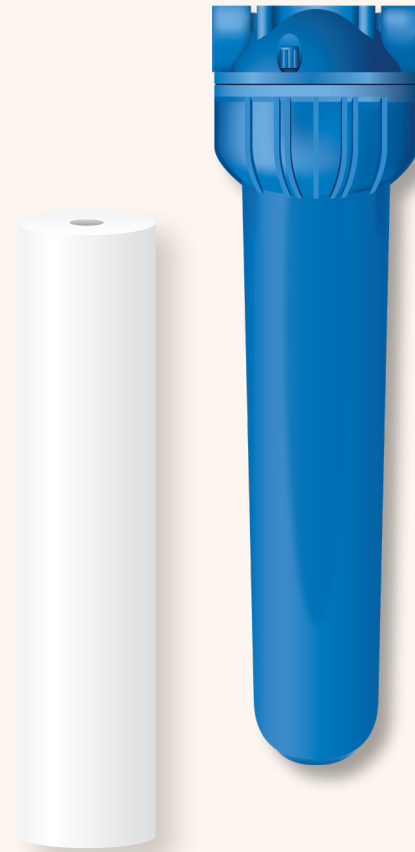
OUR CLEAR-FLO TANKLESS PROTECTOR FILTER REDUCES SEDIMENT AND SCALE BUILD UP.

HOW IT WORKS:

1. Untreated water enters the Clear-Flo Tankless Protector Filter Housing.
2. The water flows through the melt-blow polypropylene cartridge which captures suspended solids and polyphosphate core that inhibits scale.
3. Treated water enters your home free of fixture clogging sediment and scale.
4. The Clear-Flo Tankless Protector Filter continuously removes contaminants to incoming water while properly maintained.

APPLICATIONS:

- Protects water heaters, ice machines, and dishwashers
- General sediment filtration
- Point-of-Use scale protection



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	DIMENSIONS HxW (IN.)	MICRON	TREATMENT
220-TP-5-P	15	3/4	22.48 x 5.24	5	Removes dirt, silica, and most suspended mater Reduces scale build up

*Dimensions for estimating purposes
** Package includes wrench, bracket, and lubrication kit

Operating Parameters:

SERVICE TIME	Avg. 6 mths. – Cartridge, Max. 5yrs – Housing Sump
TEMPERATURE	Min. 39.2°F - Max. 113°F
PRESSURE	Max. 120 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.

CLEAR-FLO POINT-OF USE FILTER

OUR CLEAR-FLO POINT-OF-USE FILTER REDUCES CONTAMINANTS THAT NEGATIVELY IMPACT THE COLOR, TASTE, AND ODOR OF WATER.

HOW IT WORKS:

1. Untreated water enters the Clear-Flo Point-of-Use Filter Housing.
2. The water flows through the activated carbon block cartridge that filters sediment and reduces chlorine, volatile organic compounds, and heavy metals.
3. Treated water enters your home free of color, taste, and odor altering organics.
4. The Clear-Flo Point-of-Use Filter continuously removes contaminants to incoming water while properly maintained.

APPLICATIONS:

- Replaces expensive grocery store POU and Refrigerator filters
- Ultra-sediment filtration
- Polishes water at pot fillers, bar sinks, and kitchen sink



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	DIMENSIONS HxW (IN.)	MICRON	TREATMENT
210-POU-05-P	8	3/4	12.40 x 5.24	0.5	Removes fine sediment Reduces chlorine, VOC, and heavy metals

*Dimensions for estimating purposes
** Package includes wrench, bracket, and lubrication kit

Operating Parameters:

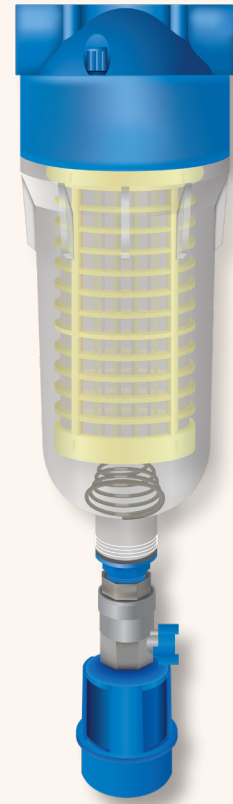
SERVICE TIME	Avg. 6 mths. – Cartridge, Max. 5yrs – Housing Sump
TEMPERATURE	Min. 39.2°F - Max. 113°F
PRESSURE	Max. 120 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.

CLEAR-FLO HYDRA

OUR CLEAR-FLO HYDRA SELF CLEANING FILTER IS A SUSTAINABLE CHOICE FOR SEDIMENT FILTRATION.

HOW IT WORKS:

1. Untreated water enters the Clear-Flo Hydra Self Cleaning Filter Housing.
2. The water flows through the stainless-steel net cartridge which captures suspended solids.
3. Treated water enters your home free of noticeable sediment.
4. The Clear-Flo Hydra Self Cleaning Filter continuously removes contaminants to incoming water with regular rinsing.



APPLICATIONS:

- Open or Closed loop geothermal systems
- General sediment filtration with rinsing feature
- Protection from public water deterioration and flushing

MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	DIMENSIONS HxW (IN.)	MICRON	TREATMENT
HYDRA-I-90	< 20	1	17.5 x 5.8	90	Removes dirt, silica, and most suspended mater

*Dimensions for estimating purposes

** Package includes wrench, bracket, bottom drain, and lubrication kit

Operating Parameters:

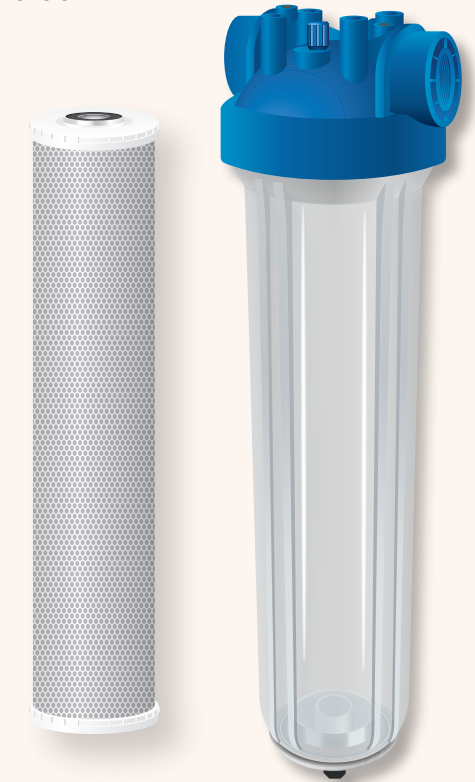
SERVICE TIME	Avg. 12 mths. – Cartridge, Max. 5yrs – Housing Sump
TEMPERATURE	Min. 39.2°F - Max. 113°F
PRESSURE	Max. 116 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.

CLEAR-FLO ADVANCED HOUSE FILTER

OUR CLEAR-FLO ADVANCED HOUSE FILTER REDUCES CONTAMINANTS THAT NEGATIVELY IMPACT THE COLOR, TASTE, AND ODOR OF WATER WHILE REDUCING SCALE.

HOW IT WORKS:

1. Untreated water enters the Clear-Flo Advanced House Filter Housing.
2. The water flows through the activated carbon block cartridge that filters sediment and reduces chlorine, volatile organic compounds, and heavy metals; and through the polyphosphate core that inhibits scale.
3. Treated water enters your home free of color, taste, odor altering organics, and scale.
4. The Clear-Flo Advanced House Filter continuously removes contaminants to incoming water while properly maintained.



APPLICATIONS:

- Protects water heaters, ice machines, and dishwashers.
- Polishes water and scale protection.
- General sediment filtration.

MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	DIMENSIONS HxW (IN.)	MICRON	TREATMENT
420-AH-5-P	15	1	25.47 x 7.48	5	Removes fine sediment Reduces chlorine, VOC, and heavy metals Reduces scale build up

*Dimensions for estimating purposes

** Package includes wrench, bracket, bottom drain, and lubrication kit

Operating Parameters:

SERVICE TIME	Avg. 12 mths.*** – Cartridge, Max. 5yrs – Housing Sump
TEMPERATURE	Min. 39.2°F - Max. 113°F
PRESSURE	Max. 120 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.

***Dependent on water quality

PARTS AND ACCESSORIES

Cartridges:

PART NUMBER	DESCRIPTION	MICRON	DIMENSIONS WxH (IN.)	TREATMENT
210-C5-WT	Wound Polypropylene Thread	5	2 x 10	Removes dirt, silica, and most suspended mater
410-C5-WT		5	4 x 10	
220-C5-WT		5	2 x 20	
210-C25-WT		25	2 x 10	
410-C25-WT		25	4 x 10	
220-C25-WT		25	2 x 20	
420-C25-WT		25	4 x 20	
210-C5-MB		Melt-Blown Polypropylene	5	
410-C5-MB	5		4 x 10	
220-C5-MB	5		2 x 20	
210-C25-MB	25		2 x 10	
410-C25-MB	25		4 x 10	
220-C25-MB	25		2 x 20	
210-C5-SCALE	Melt-Blown Polypropylene w/ Polyphosphate Scale Inhibitor	5	2 x 10	Removes dirt, silica, and most suspended mater Reduces scale build up
410-C5-SCALE		5	4 x 10	
220-C5-SCALE		5	2 x 20	
420-C5-SCALE		5	4 x 20	
210-C05-CA	Activated Carbon Block (Coconut Shell)	0.5	2 x 10	Removes fine sediment Reduces chlorine, VOC, and heavy metals
220-C05-CA		0.5	2 x 20	
420-C05-CA		0.5	4 x 20	
210-C5-CA		5	2 x 10	
410-C5-CA		5	4 x 10	
220-C10-CA		10	2 x 20	
420-C10-CA		10	4 x 20	
420-C5-CASCALE		Activated Carbon Block w/ Polyphosphate Scale Inhibitor	5	
HYDRA-C90-SS	Stainless Steel Net	90	3 x 6 (Hydra)	Removes dirt, silica, and most suspended matter
HYDRA-C50-PP	Pleated Plastic Net	50	3 x 6 (Hydra)	Removes dirt, silica, and most suspended matter

*Dimensions for estimating purposes

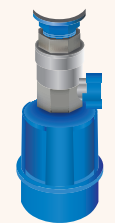
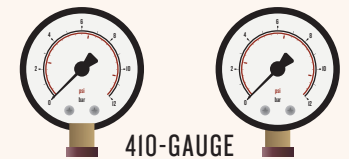
Housing Kits:

MODEL NUMBER	DESCRIPTION	SERVICE FLOW RATE (GPM)	DIMENSIONS HxW (IN.)	PIPE SIZE (IN.)	THREAD TYPE
210-H-75SS-B-KIT	Blue 2x10 Three Piece	8	12.40 x 5.24	.75	Stainless Steel NPT
220-H-75SS-B-KIT	Blue 2x20 Three Piece	15	22.48 x 5.24	.75	Stainless Steel NPT
410-H-I-B-KIT	Blue 4x10 Big	15	15.35 x 7.48	1	Double Ring Plastic NPT
420-H-I-B-KIT	Blue 4x20 Big	15	25.47 x 7.48	1	Double Ring Plastic NPT
210-H-75SS-C-KIT	Clear 2x10 Three Piece	8	12.40 x 5.24	.75	Stainless Steel NPT
220-H-75SS-C-KIT	Clear 2x20 Three Piece	15	22.48 x 5.24	.75	Stainless Steel NPT
410-H-I-C-KIT	Clear 4x10 Big	15	15.35 x 7.48	1	Double Ring Plastic NPT
420-H-I-C-KIT	Clear 4x20 Big	15	25.47 x 7.48	1	Double Ring Plastic NPT

*Dimensions for estimating purposes
**Kits include housing, wrench and bracket

Accessories:

PART NUMBER	DESCRIPTION
410-DRKT	Bottom Drain Kit - for Big & Hydra Housings
410-GAUGE	Pressure Gauge - 1/8" NPT - for Big Housings (2 required for accurate readings)
410-75-CC	3/8" x 3/4" Compression Connector (Pair) - for Point of Use Package
410-OR	O-Ring for 4 Inch Sumps
210-OR2	O-Rings for 2 Piece 2 Inch Sumps
210-OR3	O-Ring for 3 Piece 2 Inch Sumps
410-SW	Wrench for 4 Inch Sumps
210-SW	Wrench for 3 Piece 2 Inch Sumps
210-SW-DUO	Wrench for 2 Piece 2 Inch Sumps
410-WMB	Wall Mounting Bracket for 4 Inch Sumps
210-WMB	Wall Mounting Bracket for 2 Inch Sumps
210-WMB-DUO	Wall Mounting Bracket for Duo 2 Inch Sumps
210-WMB-TRIO	Wall Mounting Bracket for Trio 2 Inch Sumps



ASK FOR MORE INFORMATION ON SPECIAL ORDER CLEAR-FLO:

- Hot Housings & Cartridges
- Sanic Series (microbiological)
- Duo and Trio Housing options
- Wide range of additional cartridges available

REVERSE OSMOSIS

GUARDIAN LRO

Protects your Family

Strategically designed to remove harmful contaminants found in both municipal and well water providing higher quality drinking water than bottled or tap filtration.

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 drinking water.

Space Saving

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 these space saving reverse osmosis options.

Quality Monitoring

Includes a monitor in the faucet base that tests the water quality with a touch of the button to indicate when the unit requires maintenance.



**POWERFUL
FILTRATION**



**"ENVIRONMENTALLY
FRIENDLY**



**"SIMPLIFIED
MAINTENANCE**



**"REPLACES
BOTTLED WATER**

GUARDIAN LRO

OUR GUARDIAN LRO REVERSE OSMOSIS 4-STAGE NSF CERTIFIED FILTER SYSTEM IS A CONVENIENT AND ECONOMICAL METHOD OF REDUCING UNWANTED CONTAMINANTS IN YOUR DRINKING WATER.

HOW IT WORKS:

1. Untreated water enters the Guardian Reverse Osmosis filter system.
2. The water flows through the Sediment/Carbon prefilter which filters large particles and reduces chlorine; T.F.C. Membrane which filters small particulates, total dissolved solids, bacteria, and other contaminants; Activated Carbon post filter which reduces any taste and odors; and In-line post filter that provides a final "polish" for clean fresh tasting water.
3. Treated water is stored in a 2-gallon tank.
4. The Guardian LRO Reverse Osmosis filter system removes contaminants to incoming water and stores 2 gallons for on-demand use while properly maintained.



MODEL NUMBER	MEMBRANE PRODUCTION (GPD)**	DIMENSIONS HxW (IN.)	TREATMENT
7-LRO-35	50 +/- 5	14.25 x 15 x 4.25	Removes sediment and scale Reduces chlorine Reduces Lead, Barium, Cadmium, Chromium (Hexavalent), Nitrates, Chromium (Trivalent), Copper, Radium 226/228, Fluoride, Selenium, TDS, Cysts (Cryptosporidium), Pentavalent Arsenic, Nitrite, and Sodium

Re-mineralization cartridge 255546-43 available upon request.

*Dimensions for estimating purposes

**Actual system production and contaminant reduction will depend upon water temperature, pressure, pH and T.D.S. level, membrane variation and usage pattern.

Operating Parameters:

SERVICE TIME	Avg. 12 mths. – Cartridge, Max. 3yrs – Membrane ***
PH	4 to 11 (optimum rejection at 7.0 to 7.5)
TEMPERATURE	Min. 40° F – Max. 100° F
PRESSURE	Min. 40 PSI – Max. 100 PSI
OTHER CONSIDERATIONS	Total Dissolved Solids must be less than 2000 ppm. Hardness must be less than 10 gpg. Iron must be less than 0.1 ppm. Manganese must be less than 0.05 ppm. Chlorine less than 1 ppm or more frequent prefilter replacement. No hydrogen sulfide or bacteria to be present. Other equipment may be needed based on water quality.

*** Dependent on water quality and pre-treatment

REVERSE OSMOSIS

CRO

Protects your Family

Strategically designed to remove harmful contaminants found in both municipal and well water providing higher quality drinking water than bottled or tap filtration.

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 drinking water.

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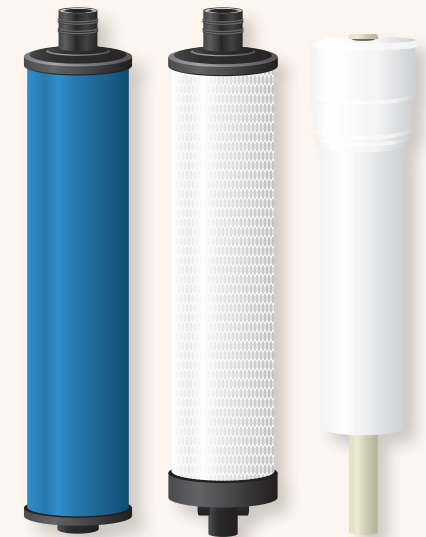


CRO REVERSE OSMOSIS

OUR CRO REVERSE OSMOSIS 3-STAGE NSF CERTIFIED FILTER SYSTEM IS A CONVENIENT AND ECONOMICAL METHOD OF REDUCING UNWANTED CONTAMINANTS IN YOUR DRINKING WATER.

HOW IT WORKS:

1. Untreated water enters the Reverse Osmosis filter system.
2. The water flows through the Sediment/Carbon prefilter which filters large particles and reduces chlorine; T.F.C. Membrane which filters small particulates, total dissolved solids, bacteria, and other contaminants; and Activated Carbon post filter which reduces any taste and odors in water.
3. Treated water is stored in a 2-gallon tank.
4. The CRO Reverse Osmosis filter system removes contaminants to incoming water and stores 2 gallons for on-demand use while properly maintained.



MODEL NUMBER	MEMBRANE PRODUCTION (GPD)**	DIMENSIONS HxW (IN.)	TREATMENT
7-CRO-350	50 +/- 5	14.25 x 15 x 4.25	Removes sediment and scale Reduces chlorine Reduces Lead, Barium, Cadmium, Chromium (Hexavalent), Nitrates, Chromium (Trivalent), Copper, Radium 226/228, Fluoride, Selenium, TDS, Cysts (Cryptosporidium), Pentavalent Arsenic, Nitrite, and Sodium

Re-mineralization cartridge 255546-43 available upon request.

**Actual system production and contaminant reduction will depend upon water temperature, pressure, pH and T.D.S. level, membrane variation and usage pattern.
 ***Dimensions for estimating purposes

Operating Parameters:

SERVICE TIME	Avg. 12 mths. – Cartridge, Max. 2yrs – Membrane ***
PH	4 to 11 (optimum rejection at 7.0 to 7.5)
TEMPERATURE	Min. 40° F - Max. 100° F
PRESSURE	Min. 40 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Total Dissolved Solids must be less than 2000 ppm. Hardness must be less than 10 gpg. Iron must be less than 0.1 ppm. Manganese must be less than 0.05 ppm. Chlorine less than 1 ppm or more frequent prefilter replacement. No hydrogen sulfide or bacteria to be present. Other equipment may be needed based on water quality.

*** Dependent on water quality and pre-treatment


**POWERFUL
FILTRATION**


**"ENVIRONMENTALLY
FRIENDLY**


**"SIMPLIFIED
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**"REPLACES
BOTTLED WATER**

REVERSE OSMOSIS

TFC

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BOTTLED WATER

TFC REVERSE OSMOSIS

OUR TFC REVERSE OSMOSIS FILTER SYSTEM IS A CONVENIENT AND ECONOMICAL METHOD OF REDUCING UNWANTED CONTAMINANTS IN YOUR DRINKING WATER.

HOW IT WORKS:

1. Untreated water enters the Guardian Reverse Osmosis filter system.
2. The water flows through the Sediment/Carbon prefilter which filters large particles and reduces chlorine; T.F.C. Membrane which filters small particulates, total dissolved solids, bacteria, and other contaminants; and Activated Carbon post filter which reduces any taste and odors in water.
3. Treated water is stored in a 2-gallon tank.
4. The TFC Reverse Osmosis filter system removes contaminants to incoming water and stores 2 gallons for on-demand use while properly maintained.



MODEL NUMBER	MEMBRANE PRODUCTION (GPD)**	DIMENSIONS HxWxD (IN.)	TREATMENT
7-TFC-50	50 +/- 5	18 x 13 x 6	Removes sediment and scale Reduces chlorine Reduces Lead, Barium, Cadmium, Chromium (Hexavalent), Nitrates, Chromium (Trivalent), Copper, Radium 226/228, Fluoride, Selenium, TDS, Cysts (Cryptosporidium), Pentavalent Arsenic, Nitrite, and Sodium

Re-mineralization cartridge 255546-43 available upon request.

**Actual system production and contaminant reduction will depend upon water temperature, pressure, pH and T.D.S. level, membrane variation and usage pattern.

*Dimensions for estimating purposes

Operating Parameters:

SERVICE TIME	Avg. 12 mths. – Cartridge, Max. 2yrs – Membrane ***
PH	3 to 11 (optimum rejection at 7.0 to 7.5)
TEMPERATURE	Min. 40° F - Max. 100° F
PRESSURE	Min. 40 PSI - Max. 100 PSI
OTHER CONSIDERATIONS	Total Dissolved Solids must be less than 2000 ppm. Hardness must be less than 10 gpg. Iron must be less than 0.1 ppm. Manganese must be less than 0.05 ppm. Chlorine less than 1 ppm or more frequent prefilter replacement. No hydrogen sulfide or bacteria to be present. Other equipment may be needed based on water quality.

*** Dependent on water quality and pre-treatment

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CARTRIDGE FILTRATION

CTFS PIONEER

Whole House Treatment

While most cartridge filters are made for Point-of-Use application or required frequent cartridge replacement this Tank Cartridge filtration system is designed for higher flow rates and higher contaminant retention capacities.

Protects your Family

Strategically designed to remove both soluble lead and particulate lead, removes 99.95% of microbial cysts like Giardia and Cryptosporidium, and chemicals Perfluorooctanoic acid (PFOA), also known as C8, and Perfluorooctane sulfonic acid (PFOS).



**EASY
SET-UP**



**"SIMPLIFIED
MAINTENANCE**



**PROTECTS
YOUR FAMILY**



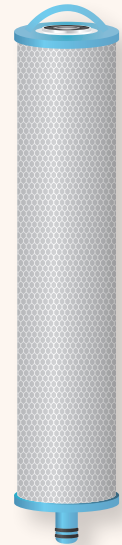
**"EXTENDED
CARTRIDGE LIFE**

CTFS PIONEER

THE PIONEER™ NSF CERTIFIED CARTRIDGE TANK FILTER SYSTEM PUTS YOUR FAMILY'S SAFETY FIRST FOCUSING ON THE TREATMENT OF HARMFUL AND SOMETIMES INVISIBLE CONTAMINANTS.

HOW IT WORKS:

1. Untreated water enters the Pioneer™ cartridge filter system.
2. The water flows through the cartridge that used both an activated carbon with 0.5 micron nominal filtration to remove particulates and ionic binders that chemically react creating electrostatic attraction between nonmetal (binder) and metal (lead).
3. Treated water enters your home free of harmful contaminants.
4. The Pioneer™ cartridge filter system continuously removes contaminants to incoming water while properly maintained



MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	DIMENSIONS HxW (IN.)	MICRON	TREATMENT
7-CTFS-NSF	Lead Reduction and PFOA/PFOS @ 4.5l - 8 Chlorine/chloramine @ 8 - 15	1	8 x 40	0.5	Certified reduction of Lead, Cyst, PFOA/PFOS, and Chlorine/Chloramine

*Dimensions for estimating purposes

Operating Parameters:

SERVICE TIME	Max. 80,000 gallons
TEMPERATURE	Min. 34° F - Max. 120° F
PRESSURE	Min. 20 PSI - Max. 125 PSI
OTHER CONSIDERATIONS	Other equipment may be needed based on water quality.

CARTRIDGE FILTRATION

CTFS ONE

Large Scale Treatment

While most cartridge filters are made for Point-of-Use application or required frequent cartridge replacement this Tank Cartridge filtration system is designed for higher flow rates and higher contaminant retention capacities.

Contaminant & Sediment Removal

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 will remain clear to maintain functionality.



CTFS ONE CARTRIDGE

OUR ONE™ CARTRIDGE TANK FILTER SYSTEM IS A COST EFFECTIVE AND EFFICIENT SOLUTION FOR YOUR WHOLE HOME.

HOW IT WORKS:

1. Untreated water enters the One™ cartridge filter system.
2. The water flows through the chosen cartridge removing sediment and/or color, taste, and odor.
3. Treated water enters your home free of contaminants.
4. The One™ cartridge filter system continuously removes contaminants to incoming water while properly maintained.



MODEL NUMBER	PIPE SIZE (IN.)	DIMENSIONS HxW (IN.)	TREATMENT
7-CTFS-125	1.25	8 x 35	Multiple Filtration Solutions
7-CTFS-2	2	8 x 35	

*Dimensions for estimating purposes

Operating Parameters:

SERVICE TIME	Varies depending on cartridge and water quality
TEMPERATURE	Min. 34° F - Max. 120° F
PRESSURE	Varies depending on cartridge
OTHER CONSIDERATIONS	Tank and Cartridge purchased separately. Other equipment may be needed based on water quality.



EASY
SET-UP



"SIMPLIFIED
MAINTENANCE



EXTENDED
CARTRIDGE LIFE



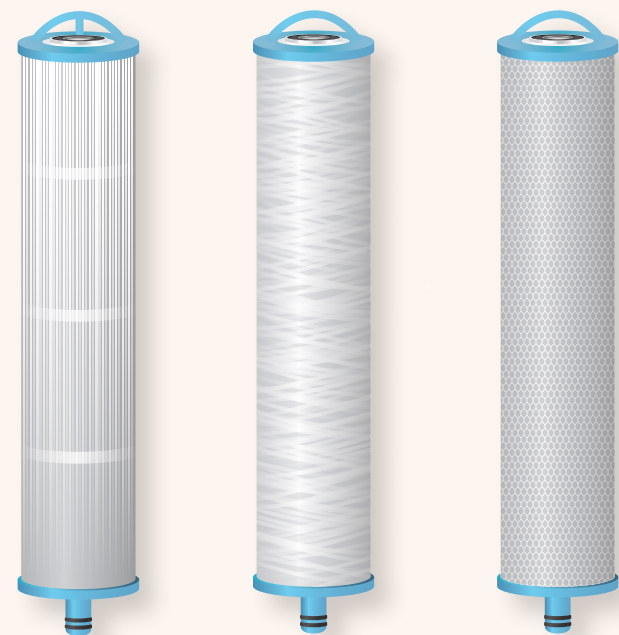
"HIGH
FLOW RANGES

1.25" CARTRIDGES

ONE CTFS: 1.25" CARTRIDGES

MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	MICRON	TREATMENT
CT-1005	30	1.25	10 Outer / 5 Inner	Reduces silt, rust, and other particulates
CT-2010	30	1.25	20 Outer / 10 Inner	
CT-5020	30	1.25	50 Outer / 20 Inner	
CT-2050-SWMB	30	1.25	20 Outer / 5 Inner	Reduces silt, rust, and other particulates
CT-5020-SWMB	30	1.25	50 Outer / 20 Inner	
CT-03-CB	30	1.25	3	Remove organic chemicals Remove color, taste, and odor problems Removes chlorine residuals
CT-20-CB	30	1.25	20	
CT-03-CB-ANIME	30	1.25	3	Remove organic chemicals Remove color, taste, and odor problems Removes chlorine and chloramine residuals
CT-20NANO-AG	45	1.25	20	Reduces scale, ferric iron, bacterial iron slime, colloidal solids, silt, rust and other particulates
CT-20NANO-PAC-AG	45	1.25	20	Reduces scale, ferric iron, bacterial iron slime, colloidal solids, silt, rust and other particulates Remove organic chemicals Remove color, taste, and odor problems Removes chlorine residuals

*Dimensions for estimating purposes

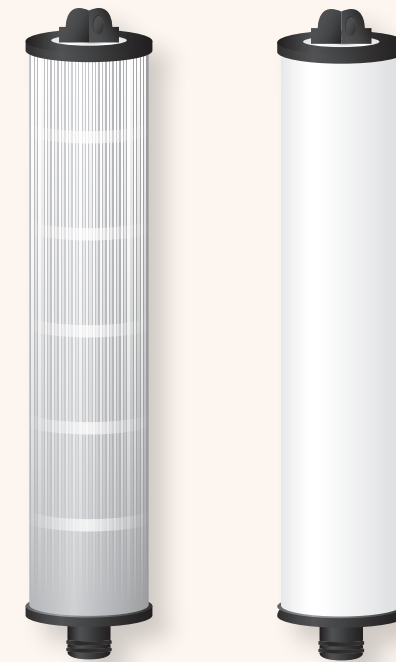


2" CARTRIDGES

ONE CTFS: 2" CARTRIDGES

MODEL NUMBER	SERVICE FLOW RATE (GPM)	PIPE SIZE (IN.)	MICRON	TREATMENT
CT-PIA	50	2	1 Absolute	Reduces silt, rust, and other particulates
CT-P05	100	2	5	
CT-P20	150	2	20	
CT-COMM50	150	2	50	
CT-COMMI50	150	2	150	
CT-COM-CARBP	15	2	Activated Carbon	
CT-D05	100	2	5	Remove organic chemicals Remove color, taste, and odor problems Removes chlorine residuals
CT-D20	100	2	20	

*Dimensions for estimating purposes



CHEMICAL SOLUTION FEEDERS

Reliable for High Levels of Contaminants

Chemical injection is a reliable and effective way to treat high levels or multiple contaminants.

Protects your Family

Eliminates impurities including iron, hydrogen sulfide, and bacteria.

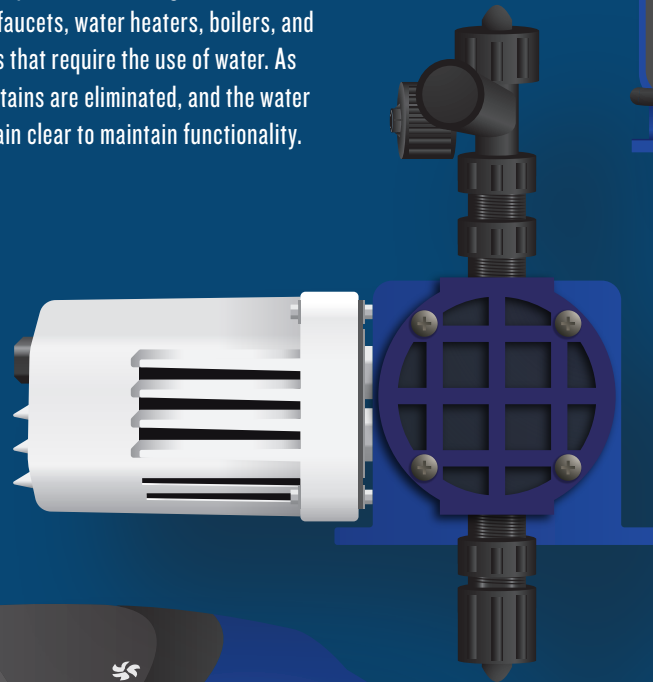
Prevent Staining & Build-Up

Effectively raises pH without adding hardness. Protects 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 will remain clear to maintain functionality.

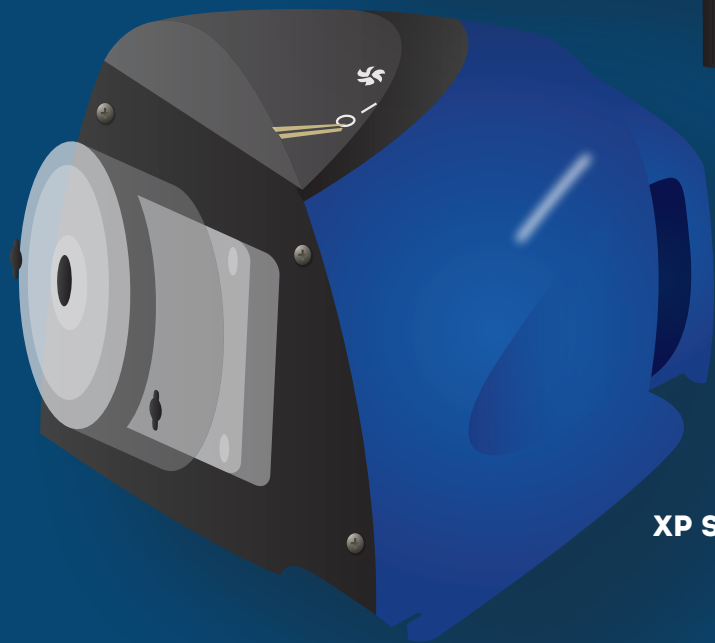
C SERIES



100 SERIES



XP SERIES

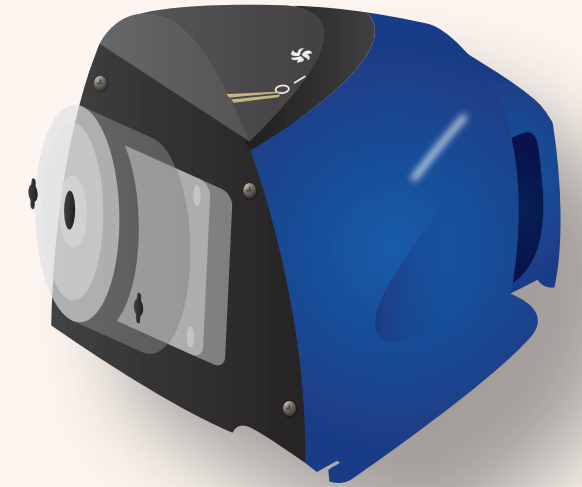


XP SOLUTION FEEDER

PERISTALTIC, SELF-PRIMING CHEMICAL FEED PUMPS INJECT TREATMENT SOLUTIONS INTO THE WATER SUPPLY FOR CONSISTENT RESULTS.

HOW IT WORKS:

1. The Chemical feeder introduces a mixture of Soda Ash (for pH treatment) or Chlorine (for iron, sulfur, and bacteria treatment) with water into the household water supply.
2. If utilizing a chlorine solution, the water goes to a retention tank for proper contact time to disinfect and through a carbon filter to remove the chlorine residuals.
3. If utilizing a soda ash solution, the water mixes with the solution raising the pH and continues to service.
4. The Chemical Feeder continuously removes contaminants or raises pH to incoming water while properly maintained.



MODEL NUMBER	OUTPUT CAPACITY (GPD)	ELEC. REQ.	DIMENSIONS HxWxD (IN.)	TREATMENT
7-XP030L2HX	30	115v 60Hz	8.24 x 9.82 x 10.915	pH Correction or Iron, Sulfur, and Bacteria Removal

*Dimensions for estimating purposes

Operating Parameters:

PH	0 to 5.9 (Soda Ash), 7.0 and above (Chlorine)
TEMPERATURE	Max. 104-125° F
PRESSURE	Max. 80-100 PSI
OTHER CONSIDERATIONS	Must purchase contacting head water meter separately. Additional equipment may be required to remove chemicals used in treatment.



PROTECTS YOUR FAMILY



CONSISTENT WATER QUALITY



TREATS HIGH LEVEL CONTAMINATION



CUSTOMIZABLE

LC CHEMICAL SOLUTION FEEDER

SOLENOID, DIAPHRAGM CHEMICAL FEED PUMPS INJECT TREATMENT SOLUTIONS INTO THE WATER SUPPLY FOR CONSISTENT RESULTS.

HOW IT WORKS:

1. The Chemical feeder introduces a mixture of Soda Ash (for pH treatment) or Chlorine (for iron, sulfur, and bacteria treatment) with water into the household water supply.
2. If utilizing a chlorine solution, the water goes to a retention tank for proper contact time to disinfect and through a carbon filter to remove the chlorine residuals.
3. If utilizing a soda ash solution, the water mixes with the solution raising the pH and continues to service.
4. The Chemical Feeder continuously removes contaminants or raises pH to incoming water while properly maintained.



MODEL NUMBER	OUTPUT CAPACITY (GPD)	ELEC. REQ.	DIMENSIONS HxWxD (IN.)	TREATMENT
7-LC54GA	30	115v 60Hz	9.9 x 5.0 x 9.5	pH Correction or Iron, Sulfur, and Bacteria Removal
7-LC54GS-DEGAS	30	115v 60Hz	9.9 x 6.2 x 8.5	

*Dimensions for estimating purposes

Operating Parameters:

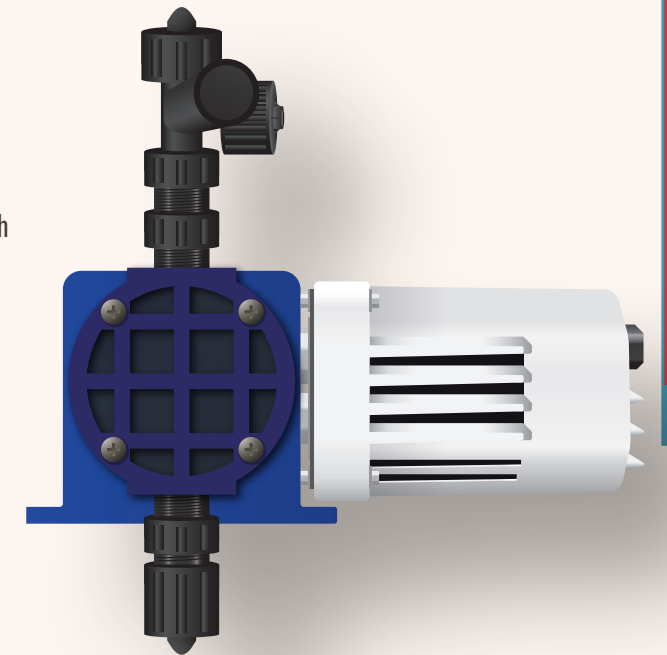
PH	0 to 5.9 (Soda Ash), 7.0 and above (Chlorine)
TEMPERATURE	Max. 104-125° F
PRESSURE	Max. 80-100 PSI
OTHER CONSIDERATIONS	Must purchase contacting head water meter separately. Additional equipment may be required to remove chemicals used in treatment.

100 CHEMICAL SOLUTION FEEDER

MOTOR DRIVEN CHEMICAL FEED PUMPS INJECT TREATMENT SOLUTIONS INTO THE WATER SUPPLY FOR CONSISTENT RESULTS.

HOW IT WORKS:

1. The Chemical feeder introduces a mixture of Soda Ash (for pH treatment) or Chlorine (for iron, sulfur, and bacteria treatment) with water into the household water supply.
2. If utilizing a chlorine solution, the water goes to a retention tank for proper contact time to disinfect and through a carbon filter to remove the chlorine residuals.
3. If utilizing a soda ash solution, the water mixes with the solution raising the pH and continues to service.
4. The Chemical Feeder continuously removes contaminants or raises pH to incoming water while properly maintained.



MODEL NUMBER	OUTPUT CAPACITY (GPD)	ELEC. REQ.	DIMENSIONS HxWxD (IN.)	TREATMENT
7-030-1	30	115v 60Hz	6.75 x 8.80 x 7.30	pH Correction or Iron, Sulfur, and Bacteria Removal
7-030-2	30	230v 60Hz		
7-024-1	24	115v 60Hz		
7-024-2	24	230v 60Hz		
7-015-1	15	115v 60Hz		
7-015-2	15	230v 60Hz		
7-007-1	7	115v 60Hz		

*Dimensions for estimating purposes

Operating Parameters:

PH	0 to 5.9 (Soda Ash), 7.0 and above (Chlorine)
TEMPERATURE	Max. 104-125° F
PRESSURE	Max. 80-100 PSI
OTHER CONSIDERATIONS	Additional equipment may be required to remove chemicals used in treatment.

PARTS AND ACCESSORIES

Contacting Head Water Meters (Required for some pumps):

MODEL NUMBER	MATERIAL	IPS THREADS (IN.)	NPT THREADS (IN.)	LENGTH (IN.)
MTR10I-P	Plastic	1	.75	11.625
MTR10I-G	Brass			

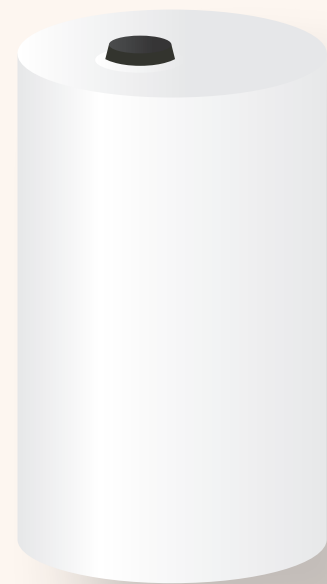
*Dimensions for estimating purposes



Solution Tanks (Required):

MODEL NUMBER	DESCRIPTION	CAPACITY (GAL.)	DIMENSIONS HxW (IN.)
ST-16	Polyethylene Tank	15	25 x 14.375
ST-35		30	33.25 x 18.375

*Dimensions for estimating purposes



PARTS AND ACCESSORIES

Motionless Mixer (Required):

MODEL NUMBER	PIPE SIZE (IN.)	MAX FLOW (GPM)	DIMENSIONS LxW (IN.)
MM-2	1 NPT	25	13 x 3.125

*Dimensions for estimating purposes



Retention Tanks (Required for chlorine injection):

MODEL NUMBER	PIPE SIZE (IN.)	CAPACITY (GAL.)	DIMENSIONS HxW (IN.)
RT120B	1.25 and 1.5 NPT/Solvent	120	78.5 x 21

*Dimensions for estimating purposes

Replacement Parts:

PART NUMBER	DESCRIPTION	AVG. SERVICE TIME
XPHT-6H	Replacement Head Tubing for XP Series Pump	1 year
K4VHCI	KOPKIT for LC Series Pumps	2 years
K100-200	KOPKIT for 100 Series Pumps	2 years

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.

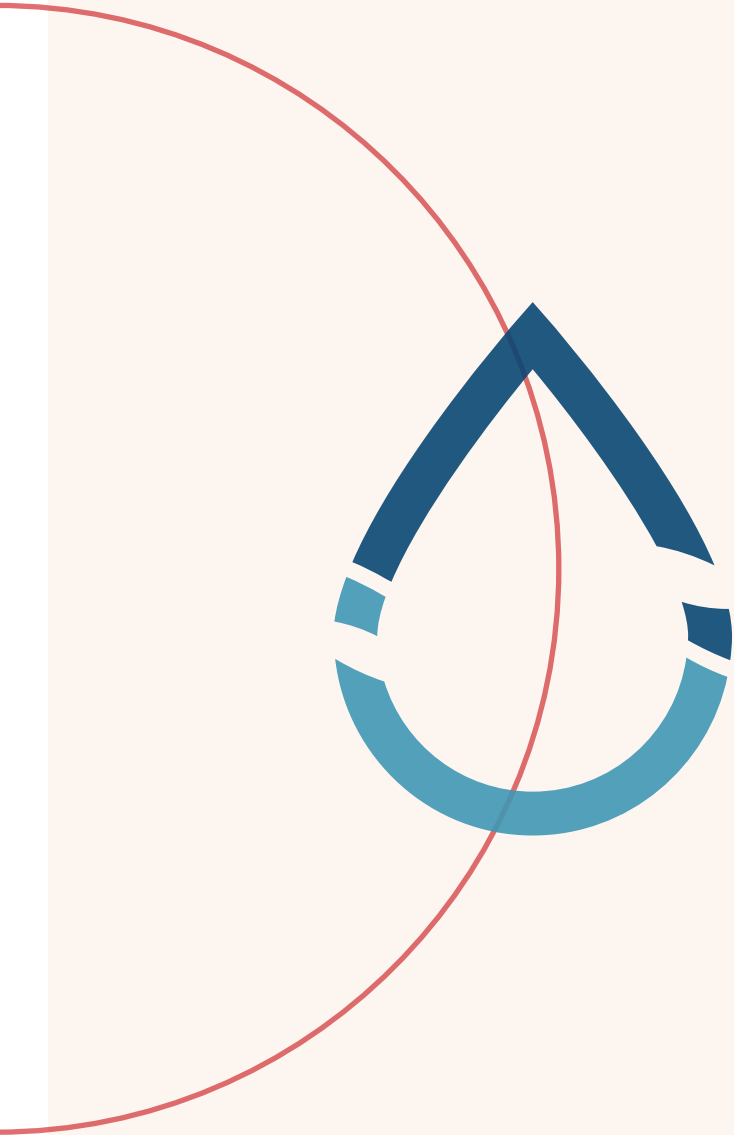
Upon receiving a sample, Lancaster begins the process of testing with care and precision. Each bottle is tracked electronically through our proprietary platform LWGconnect.com, assuring that the information is kept secure and available for future use. Our lab technicians receive each sample, perform 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.**



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



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