

Comfort @ Line

Fall/Winter 2021

Your Comfort is Our Business

A New Way To Control Hard Water



HydroFlow requires no maintenance and costs just pennies per day to operate.

Hart & Iliff is a distributor and dealer for a revolutionary new water treatment system called HydroFlow. HydroFlow was developed in Europe and is now available in the United States. It's patented technology represents a breakthrough in the treatment of hard water. This technology could possibly make other water treatment systems obsolete.

HydroFlow generates an electrical charge or current of 150 kHz which spreads throughout the water in the entire plumbing system. This electric field causes the mineral ions in the water to cluster together, preventing limescale build up. The benefits of HydroFlow are many:

1. It's easy to install, doesn't use salt, and requires no maintenance.
2. It adds no chemicals to the water and doesn't change its chemical composition.
3. Water treated with HydroFlow is healthier to drink since it doesn't remove healthy minerals (calcium and magnesium) and replace them with unhealthy salt.
4. Since it prevents the buildup of

limescale and gradually removes existing limescale, it cuts heating costs, conserves energy, and extends equipment life.

5. It operates on a standard 110-volt electrical circuit and costs only pennies a day to operate.

6. Unlike a softener, the water does not have to flow past the unit to be treated. An electrical field is transmitted throughout the entire plumbing system, protecting it 24 hours a day.

7. It's safe for use on all types of plumbing pipes, including plastic, galvanized, and copper.

8. The electric signal kills algae and bacteria, helps prohibit corrosion, and does not interfere with any electronic devices in the home including televisions, radios, telephones, tablets, pacemakers, and computers.

8. HydroFlow comes with a five-year warranty and a one-year money-back performance guarantee.

For more information on how HydroFlow could replace your water softener or for pricing, give us a call at 973-383-1421.

Hard Water Problems? We Have Answers.

This Q&A segment discusses hard water problems which are prevalent in Northwest New Jersey.

What is hard water? Water described as "hard" is high in dissolved minerals.

What causes hard water? Water is an excellent solvent which picks up impurities easily. As water moves through soil and rocks it dissolves small amounts of minerals and holds them in suspension. Calcium and magnesium (commonly referred to as lime or limescale) dissolved in water are the two most common minerals that make water hard. The greater the amount of lime, the harder the water.

How does hard water affect me and my home? As hard water is heated to make hot water, the minerals precipitate out of the water and collect or scale on the inside of pipes, water heaters and appliances connected to the water system. This limescale results in reduced flow rates, loss of efficiency and early failure of components and hot water heaters. Eventually, the hot water pipes can become completely clogged. In addition, hard water reduces the ability of soaps to lather.

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Hart & Iliff

Fuel and Energy Systems

Fuels / Heating / Cooling

4 Hampton Street ♥ P.O. Box 591
Newton, N.J. 07860

PHONE: 973-383-1421 ♥ FAX: 973-383-1699

E-MAIL: info@hartandiliff.com

www.hartandiliff.com

Master HVACR Contractor License #19HC00083800

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Are there any government standards for water hardness?

The hardness of water is reported in grains per gallon (gpg) or parts per million (ppm). One gpg is equal to 17.1 ppm. The U.S. Department of Interior and the Water Quality Association have generated the following standards:

Classification of Water Hardness

Classification	gpg	ppm
Soft	0-1	1-17.1
Slightly Hard	1-3.5	17.1-60
Moderately Hard	3.5-7.0	60-120
Hard	7.0-10.5	120-180
Very Hard	10.5 & Over	180 & Over

How hard is the water in this area? Water in Northwestern New Jersey tends to be relatively hard because of the composition of local rock formations. The hardness level can vary greatly depending upon where you live and whether or not you are on a municipal water system. Local municipal water systems report hardness levels ranging from 3 to 27 gpg, which is the equivalent of 51 to 462 ppm.

How can I find out how hard my water is? If you are on a municipal water system, your water supplier can tell you the hardness level. If you have a well, you can test the water for hardness. This can be done at a lab or directly in the home. All of our service technicians can check the hardness level for you.

How hard should my water be before I treat it? Experts recommend that mineral hardness should be treated if it is greater than 4 gpg or 68 ppm.

How can I prevent the negative effects of hard water on my plumbing system? Historically, there have been two primary ways to treat hard water. The first is to soften the hard water through the use of a water softener. Water softeners remove hardness using an ion exchange process which replaces the calcium and magnesium with an equivalent amount of sodium or salt. The second approach is to condition the water and keep the minerals in suspension so they don't build up or scale on the hot water pipes. This was done for many years by adding a chemical phosphate solution to the water to keep the minerals in suspension.

A new way to treat hard water is with a device, known as HydroFlow, which was invented in Europe and is now available in the United States. HydroFlow's patented design produces an electrical charge which propagates through the water in your plumbing system. This electrical field causes the minerals to flock together so that they remain in suspension rather than scale or collect on pipes or water heaters. The suspended minerals are washed away and flow down the drain. HydroFlow requires no maintenance and costs just pennies a day to operate. In addition to preventing new scale accumulation, HydroFlow removes existing scale, enhances filtration, kills algae and bacteria, and inhibits corrosion. For more information, see the article on the front page or call us at 973-383-1421.

Season's Greetings from Hart & Iliff!

As the holiday season and New Year approach, we wish to thank you for your business. As a small token of our appreciation, we have enclosed a 2021 calendar with energy and money-saving tips. While 2020 has been a difficult year for all of us, Hart & Iliff is here, for you and your family, to keep you warm in the winter and cool in the summer. If we can assist you in any way, please call us at 973-383-1421 or email us at info@hartandiliff.com. Stay safe, have a joyous holiday season, and a happy and healthy New Year!

5 Steps To Ensure Smooth Winter Deliveries

Undoubtedly, the cold weather this winter will bring our share of ice and snow. Please take the following actions to help us make sure you get your winter deliveries in a timely manner:

1. Clear a path to your fill pipe so that the driver can more easily locate it.
2. When you plow your driveway, keep in mind that oil trucks are 9 feet wide and do not have four-wheel drive.
3. If your driveway is not clear and dry, please salt and sand for the oil truck.

4. Trim low hanging tree branches to accommodate an oil truck that measures 11 feet high.
5. If you want to know when you can expect your next delivery, call us at 973-383-1421.

Want to receive Comfort Line via email? Send your email address to info@hartandiliff.com and we'll add you to the list.



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