

Information Regarding Your Water

Cleaner, Refreshing Water:

After installing a Water Warehouse water system in your home, you'll immediately notice the difference. The water will simply be better - cleaner, sparkling and more refreshing. No more 'particles' floating in a glass of water! No more sour taste! No more buying expensive bottled water! You'll have a fresh mountain spring pouring from every tap in the house!

Your Family's Health:

Just because you drink bottled water doesn't mean you're safe. Your skin acts as a natural sponge, soaking up chlorine and other contaminants in tap water. There is a 93% higher risk of developing cancer by consuming Chlorine in water. The use of treated water is kinder and healthier to your complexion. Many of our customers have reported dramatic changes in the look and feel of their skin and hair!

Longer Lasting Pipes (Plumbing and Appliances):

Plumbing and appliances will stay like new, free from the effects of mineral deposits and dulling soap film that coats virtually everything hard water contacts. Your washing machine and dish washer will last twice as long as those using untreated water.

Cleaning Chores:

Treated water helps you save one hour out of every three you spend cleaning - while you actually get things cleaner. Showers will be lime-free! Faucets no longer have to be scrubbed with abrasives or bleach. Imagine, NO MORE soap scum to scrub away, NO MORE water spots!

Better Tasting Food:

Fresher water means better food when you rinse vegetables, beef, poultry and fruit! When you wash your food, you want it to be cleaned. Yet because of the high content of chlorine in most tap water, you're covering your food in a film of chlorine instead of cleaning it. Fresh tasting treated water also means more robust coffee, tea and other beverages. You will taste the difference!

Softer Clothes:

Imagine washing your expensive clothes in a swimming pool! You wouldn't expect them to last very long. Yet when you wash your clothes with tap water, that's exactly what you're doing. Hard water will break down thread and cotton fibers faster than conditioned water. That means your clothes will last longer. Whites will be whiter and colors brighter every time without bleach or blueing. Treated water also requires less soap for additional savings.

Saves You Money:

Without hard water residue, water using appliances last longer and have fewer repair bills. Water heating costs will also go way down! Treated water boils faster. That means less gas or electricity use, which in turn saves you money. Since you'll need less soap in your shower, laundry detergent for your clothes and less dishwashing liquid to clean dishes, you'll also see savings in your everyday expenses. The moment you start using your Water Warehouse water system, it begins to pay for itself in savings!

Your Peace of Mind:

There are many benefits associated with having a water softener. Some are purely cosmetic such as cleaner taps and even shinier hair. Some are more serious such as your health, prolonging the life of domestic items such as washing machines, freeing your pipes of hard water deposits and helping those with skin conditions. The cost of installing and running a water softener are minimal when

compared to having to repair a central heating system of mineral build-ups. Most important, it means your peace of mind -- knowing that the water that you rinse your food with, shower in and give to your children is free from hard minerals, bacteria and chlorine.

Information for Eczema Sufferers

There is not doubt that many eczema sufferers find their skin improves once they have a water softener fitted.

Installing a water softener not only means your skin will benefit but you will need to use less detergents and soaps. A water softener is also a highly practical way of keeping your plumbing free from lime scale build ups that can be so damaging. If your bathroom and kitchen taps no longer look like they once did in the showroom it could be because of lime scale build ups.

Hard water, rather than soft water, is more likely to cause problems for people with eczema. Softeners remove the tiny abrasive particles of rock found in hard water and this, therefore, can help to reduce the discomfort experienced by eczema sufferers.

The Primary Purpose of a Water Softener

Although hard water is beneficial to humans, plants and animals it creates problems with buildup of calcium and magnesium in plumbing pipes and appliances as well as hot water heaters which cost Americans hundreds of millions of dollars each year. The negative effect of calcium sticking to our hair and skin has created a windfall for hair and skin products designed to counter act these effects. The Primary purpose of a water softener is to counter act the negative effects of hard water.

What Is Hard Water?

Hard water is probably the most common water problem found in the home. Water described as "hard" is high in dissolved minerals, specifically calcium and magnesium. As water moves through soil and rock, it dissolves very small amounts of minerals and holds them in solution. Calcium and magnesium dissolved in water are the two most common minerals that make water "hard". The degree of hardness becomes greater as the calcium and magnesium content increases. Hard water is not a health risk; in fact, its mineral content makes it healthy for your body, but a nuisance to your home because of the mineral buildup on plumbing, fixtures, and poor soap and/or detergent performance.

Hardness Levels

- Soft water – less than 1 grain per gallon
- Slightly hard – 1 to 3.5 grains per gallon
- Moderately hard – 3.5 to 7 grains per gallon
- Hard – 7 to 10.5 grains per gallon
- Very hard – 10.5 and higher grains per gallon

What Does Grains Per Gallon Or GPG Mean?

Parts per million or grains per gallon are both used to describe the dissolved hardness minerals contained in the water. One part per million (PPM) is one of a substance out of one million units of water. A grain, or grains per gallon (GPG), is a unit of weight. It is 1/7000 of a pound. One GPG, (1gpg) is equal to 17.1 PPM..

Soft Water versus Hard Water

Soft water versus hard water has many benefits. Like clean shiny silverware and glassware. No one like the spotty chalky hard water spots on their silverware, glasses or dishes.

Since shampoos, soaps and detergents do not lather well in hard water; naturally soft water or hard water made soft through a water softener restores the rich lathering cleaning ability and cuts down on the usage and costs of soaps and detergents by 75%. Also, one can return to natural chemical free healthy soaps and laundering agents. The harsh chemicals in today's soaps and detergents were invented to combat hard water and still have some lather. With soft water you will not need these chemical based cleaners.

Hair and skin feels softer, cleaner and smoother. Detergents easily rinse out of soft water. Tests have been done taking laundry that had gone through a rinse cycle in hard water, taken these "rinsed" clothing out and putting them in clean soap less water, agitating them and watching soap still come out of the clothing. Soft water allows detergents to completely rinse out. Fabrics are also softer without hard minerals become trapped in them. Fabrics last longer and whites stay white without the dingy gray caused by hard water.

Soft water also does not leave chalk or orange rings around bathtubs and sinks. This saves time in house cleaning and embarrassment of having cleaned yet finding it difficult to remove all the hard water deposits. Soft water also preserves the life of all water using appliances such as coffee and ice makers, dishwashers, and clothier's washers. Hard water wears appliances out quickly and requires more energy use as appliances do not work as well when they are corroded or clogged with mineral deposits. Savings on fuels costs and on properly working water heaters is another benefit too.

Let's look at average replacement of some of the basic appliance due to hard water corrosions; \$360-water heater, \$90 faucet set, \$300-\$600 washer/dryer set, and the entire plumbing system \$2000-\$4000. The first water softeners were invented in 1912 before the advent of the modern washing machine as a basic household appliance that converts hard water into soft water which we all find desirable. It has continued to be a basic household appliance and is so appreciated by its owners that it is rare to see a water softeners sold 2nd hand, usually owners just taken them with them when they move. The benefits of a water softener are more than one would realize initially and usually involve a cost savings that more than pays for the softener in about 4-5 years and most softeners are expected to last at least 10 years, with many lasting much longer.

Economical—

- You will notice a dramatic reduction in the amount of soaps and detergents after you install a water softener.
- Reduction in the cost of maintenance and replacement of pipes, water heater and other appliances.
- Reduction in water bills because less water will be used for laundering and dish washing. Dishes will look less spotty from the mineral deposits from hard water.
- No stained on clothes making them last longer.

- Removal of calcium and magnesium means healthy drinking water.
- Softer water keeps skin and hair look healthy.

- Quick lathering means good water conservation due to reduction in the amount of water being used.
- Reduction in the amount of wastewater being sent to your local wastewater treatment plant.

- Increasing the useful life of appliances means less metals being dumped in landfills

Reductions in detergents used in homes mean reductions in phosphates being sent to the sewer and eventually to waste water plants. This eventually leads to less phosphates discharge to surface water which can cause algae.

Soft water versus hard water has many benefits. Like clean shiny silverware and glassware. No one like the spotty chalky hard water spots on their silverware, glasses or dishes.

Since shampoos, soaps and detergents do not lather well in hard water, naturally soft water or hard water made soft through a water softener restores the rich lathering cleaning ability and cuts down on the usage and costs of soaps and detergents by 75%. Also, one can return to natural chemical free healthy soaps and laundering agents. The harsh chemicals in today's soaps and detergents were invented to combat hard water and still have some lather. With soft water you will not need these chemical based cleaners.

Hair and skin feels softer, cleaner and smoother. Detergents easily rinse out of soft water. Tests have been done taking laundry that had gone through a rinse cycle in hard water, taken these "rinsed" clothing out and putting them in clean soap less water, agitating them and watching soap still come out of the clothing. Soft water allows detergents to completely rinse out. Fabrics are also softer without hard minerals become trapped in them. Fabrics last longer and whites stay white without the dingy gray caused by hard water.

Soft water also does not leave chalk or orange rings around bathtubs and sinks. This saves time in house cleaning and embarrassment of having cleaned yet finding it difficult to remove all the hard water deposits. Soft water also preserves the life of all water using appliances such as coffee and ice makers, dishwashers, and clothes washers. Hard water wears appliances out quickly and requires more energy use as appliances do not work as well when they are corroded or clogged with mineral deposits. Savings on fuels costs and on properly working water heaters is another benefit too.

Let's look at average replacement of some of the basic appliance due to hard water corrosions; \$360-water heater, \$90 faucet set, \$300-\$600 washer/dryer set, and the entire plumbing system \$2000-\$4000. The first water softeners were invented in 1912 before the advent of the modern washing machine as a basic household appliance that converts hard water into soft water which we all find desirable. It has continued to be a basic household appliance and is so appreciated by its owners that it is rare to see a water softener sold 2nd hand, usually owners just taken them with them when they move. The benefits of a water softener are more than one would realize initially and usually involve a cost savings that more than pays for the softener in about 4-5 years and most softeners are expected to last at least 10 years, with many lasting much longer.

The Performance Water Softeners are manufactured in our factory in the USA using the highest quality components based on the legendary Fleck or Clack control valves, the most respected names in the industry. We build your softener based on your water usage patterns and the hardness of your water. Water Softeners are sized in grains per gallon (gpg). You may see softeners rated as 25,000 grains. One grain equals 17.1 ppm or mg/liter. So if your water has 10 grains of hardness it is equivalent to 170.1 mg/liter. The more grains of hardness your water has, the more frequently the softener needs to regenerate. It is important to size your softener properly to prevent excessive regeneration. A certain amount of salt goes down the drain with every regeneration.

Larger softeners are more salt efficient as they regenerate less often. Our standard home units come with a Fleck 5600 Econominder SE valve or a Clack WS1 high flow head or the Fleck 7000 control head. These valves are the industry standard for a home water softener. These valves measure your water usage and regenerate only when necessary. In addition to residential softeners, Performance Water makes softening systems for restaurants, car washes, apartments, and more.

The *Performance Water Softener Series*, with the Six cycle Fleck Econominder 5600SE or Clack WS1 Control Valve, monitors the water used and cleans itself automatically, assuring minimum salt and water usage during the cleaning process

Fleck 5600SE Electronic On Demand Water Softeners The 5600SE (Simplified Electronics) on demand water softeners feature a solid state microprocessor with LED display which indicates time of day, remaining capacity and regeneration indicator. The Fleck 5600SE comes with a 3 year manufacturer's warranty. Tanks and covers are warranted for 10 years from manufacturer defects. 18 Gallons per minute.

The Model WS1: The New All American One inch Clack WS1 microprocessor metered water softener valve & control with Large LCD Screen. Calendar override function. Supplied with a 1" Bypass. The WS1 control head comes with a 7 year manufacturer's warranty. Tanks are warranted for 10 years from manufacturer defects. 22 Gallons per minute.

The Fleck 7000 Digital Softening System incorporates more than 50 years of softening system advances. The Fleck 7000 control head is "smart" – it knows exactly when to clean itself and uses a minimum amount of water to do it. The cleaning process is also much more intense than other models - this ensures that the system will always be "like new". Finally, the electronic controls incorporate an internal, self-charging battery. This means that regardless of power outages, once the system is set up, you never have to think about it again. All components are Certified by the National Sanitation Foundation and the system comes with a comprehensive, hassle-free warranty. 26 Gallons per minute.

The cabinet water softener is great for a family of 1 to 3, can be used indoors or outdoors and takes up less space.