

Causes of Hard Water

Hard water is usually defined as water that contains a high concentration of calcium and magnesium ions. Measurements of hardness are given in terms of the calcium carbonate equivalent, that is an expression of the concentration of hardness ions in water in terms of their equivalent value of calcium carbonate. Water is considered to be hard if it has a hardness of 100 mg/L or more as calcium carbonate.



Bathtub Rings



Scaling in Pipes

Advantages of Soft Water

1. Soft water washing makes clothes cleaner, last longer and feel softer. Hair and skin will be less dry, feel smoother and have more luster. Dishes and glassware will rinse sparkling clean and clear.
2. Having soft water saves you money. When your water is soft, you use 1/2 to 2/3 less soap and fewer cleaning products. Your budget will automatically reflect the savings.
3. Your plumbing will last longer. Hard water can cause a build up of scale from mineral deposits. Over time, pipes can clog, water flow can diminish, and water pressure can be reduced. This doesn't happen with soft water. Soft water is low in mineral content and therefore doesn't leave stains and deposits in and on the pipes and fixtures.
4. Your hot water heater will last longer. Scale and lime build-up created by minerals will not take place if your water is soft. This adds life to your hot water heater. Also, if you don't have deposits in your hot water heater, it will cost approximately 20% less to heat the water that your family does use. At the end of the year, these savings can really add up.
5. Most water-using appliances will remain stain and streak free, last longer. Whether it's your coffee pot, your humidifier, or your hot tub, soft water inhibits a build-up of minerals and adds life to these products.



Water Softening Systems