

# Controlling Water Heater Scale

[memphis.hotwaterheaterbuddy.com/controlling-water-heater-scale/](http://memphis.hotwaterheaterbuddy.com/controlling-water-heater-scale/)

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There are adverse impacts on home appliances, consisting of the hot water heater, if Memphis property owners have hard water. Hard water will certainly help make scale build-up inside the water heater occur much faster. Scale contains primarily calcium and magnesium and looks like white fragments. The long-term results of scale build-up will be to minimize the life expectancy of the hot water heater. In order to aid regulate this happening, this will review a number of means in order to help avoid it from being an issue.

## Water Heater Storage Tank Draining

Draining the water storage tank will remove the mineral fragments inside the container. If one understands that water is very hard, this process needs to be done around two times a year in order to help manage scale build-up. We will certainly specify the general steps associated with doing so here, yet they are implied for academic purposes only. It would be most ideal to allow us to execute a hot water heater flush at your residence.



First turn off the water heater's gas or power. Close the cold water supply valve so fresh water is not going into while it is being emptied and replenishing it. In order to make it a faster procedure, open up a hot water sink faucet that is close in distance to the hot water heater itself. Connect a garden hose to the drain valve, located at the bottom of the heater, and position the other end of the yard hose either outdoors or in a floor drain for the heater to empty. The water leaving the hot water heater can be hot, so care needs to be taken. After the storage tank is empty, close the drain valve, open up the cold water supply again, and turn back on the gas or power.

## Water Heater Temperature Setting

Heat is one source of scale accumulation happening. The hotter the water in the water heater is, the more calcium and magnesium will develop strong deposits on the heating elements inside the water storage tank. If the thermostat is set above it has to be, the quicker the accumulate will occur. Though there are reasons for having a high or reduced temperature level setting that greatly depend on any kind of health and wellness issues in the home, but we

will not be going into those details below. Producers normally pre-set and recommend a temperature level setting at 120 degrees Fahrenheit. If it is set above this, scale will certainly build up faster. Below are much more suggestions that will assist if one water is very hard.

### **Vinegar**

The use of vinegar will chemically hinder scale too. Vinegar, though a weak acid, is safe to utilize. It is helpful to utilize vinegar to help clean the storage tank after draining it. Before reconnecting the cold water supply and turning the electrical power back on, shut the drain valve and pour a gallon of cider vinegar right into the storage tank. Wait at the very least 6 hours for it to be. Undoubtedly, pick a time for emptying the water heater when no hot water will be required for a while. Afterward, open the drain valve with the drain garden hose connected and allow some water run through to flush out the vinegar. Shut the draining valve and reconnect the electrical power.

### **Water Softener**

Among one of the most helpful ways to assist with hard water concerns throughout the house, not simply with a water heater, is to install a water softening system. In basic terms, it will eliminate the ions dissolved in the water that create the calcium and magnesium to form. Maintaining a water softener is very easy enough to do. Sodium is normally the chemical used to substitute the calcium and magnesium ions, they will have to be replaced once in a while. The benefits to the whole plumbing system with being able to manage hard water are big and could save on requiring unfortunate water heater repairs and plumbing repairs.

### **Around the Internet Resources**

<http://www.doityourself.com/stry/how-to-descale-a-water-heater>

<http://www.aquasana.com/education/5-simple-hard-water-solutions>

[http://inspectapedia.com/plumbing/Water\\_Heater\\_](http://inspectapedia.com/plumbing/Water_Heater_)