

# NewFresh Water Systems

## InjectaFLO - Green Technology

### Water Heaters – What is that Noise? & Where's My Hot Water?

#### Water Heater Noises and Failures

It is common to experience the annoying noise your water heater makes after a short period of service. Even if your hot water heating unit is installed in the area away from the living or sleeping room, you might hear a noise in the plumbing that travels with a vibration waves from the water heater. Your water heater can make noises in a variety of ways ranging from hissing, popping, tapping, banging, and even jackhammer sounds. Some are indicators of problems, but will go away when the water heater is eventually replaced or hard water is treated with anti-scaling solution SCALE LIQUIDATOR via InjectaFLO.

#### Mineral Scale Deposits

Noise for example can come either from the gas water heater due to water droplets on the crusty formations and sediments; or is associated with the hissing sound on electric units and formation of lime scale on the immersed heating elements. Symptoms often include a popping of water trapped under lime deposits or the sizzling of water trapped next to burner, boiling it to steam. Water is entrapped in the *blanket of minerals being heated by the element on an electric water heater or, by the bottom of the tank on a gas water heater* actually makes a series of small steam explosions as it is heated making hissing and popping sounds between the layers of scale.

The water pockets form in the porous residue and the trapped water is heated above the boiling point of the water in the tank or, a drop in tank pressure occurs causing audible rumbling and cracking sounds. Pounding noise can also occur due to lime formations and sediments at the tank bottom.

To eliminate the noise some professionals will recommend installing water softener. We recommend using InjectaFLO with Anti-scale and anti-corrosion solution Scale Liquidator and further maintain your system with Scale Soft.

#### Water Heaters – Will Draining and Flushing Help?

If you have not flushed your water heater regularly, the build up is probably quite hard and will not break up with just flushing. With gas water heaters the efficiency of the units will suffer, as the heat does not pass through the blanket of minerals as efficiently. With electric water heaters the build up covering the lower element will also affect heat transfer and many times will cause the element to overheat and burn out.

#### Insufficient Hot Water - There never seems to be enough hot water

Normally, water is heated it moves away from the heat source by convection currents. Mineral material buildup, which is porous during formation, traps and prevents the rapid circulation of hot water over the bottom head of the heater. This reduced heating condition also occurs when layers of sediment caused primarily by hard water buildup on the tank and heating surfaces, producing a heat-retarding scale. This thick layer of minerals acts as insulation and keeps the water from having direct contact with the element of bottom of the tank. You can either replace the water heater or treat the water system with anti-scaling solution Scale Liquidator.

**NewFresh Water Systems - Green in home water treatment**

Scale Hardness Conditioning and Soft Feeling Water Systems

[Info@NewFreshWater.com](mailto:Info@NewFreshWater.com)

[www.NewFreshWater.com](http://www.NewFreshWater.com)

Phone: 877 Euro-Water, 877 387-6928

2009 RR 620 North #180, Austin, Texas 78734