

What effects should I expect after installing Filtersorb system?

Existing construction home; with or without "classical" softener you may notice that the water is becoming harder in the beginning as piping scale begins dissolving. It will improve daily as the existing scale melts away. Depending on the thickness of the existing scale it will take some time (up to 90 days) to remove 100%.

How do the Filtersorb systems function?

Hard water is water that has high mineral content mainly charged dissolved magnesium (Mg^{2+}) and calcium (Ca^{2+}) carbonate (temporary hardness). Filtersorb is a catalyst media which transforms the dissolved Mg^{2+} and Ca^{2+} carbonate into non-charged neutral chemical bonds (calcite crystals). When the crystals reach size in the range of nanometer (microscopic) they detach and are carried away by the water flow. The crystals are heat resistant and do not revert to dissolved state.

Will I experience an increase of calcium and magnesium particles? Depending on the amount and type of scale deposits present in the plumbing of your home, you may see the following for approximately one to six weeks after the installation of the system. These effects will be temporary and will steadily stop once the appliances and plumbing have been de-scaled. The water going through the conditioner can initially increase the hardness in the water due to de-scaling of the plumbing system. You can especially see this on the hot water side of the plumbing and the water heater because scale builds up faster in hot water. You may see calcium particles in the aerators, showerheads, bathtub, and dishwasher. These conditions are temporary and only last during the de-scaling period. The water heater can also have excessive scale build up and may need to be cleaned out by opening the bottom drain valve on the hot water heater. Be sure to turn off the electrical or heat source! Flush out the loosened scale by attaching a hose to the drain valve. You may need to do this for several weeks until the plumbing and hot water heater has been de-scaled. The good news is that a clean water heater uses much less electricity or gas to keep the water hot. You can also speed up the de-scaling process by turning on all the hot water valves in the house once or twice a week until all the plumbing is de-scaled and the water runs clear.

If the water hardness is tested after the system is installed will the hardness level be different? If the water is tested after the Filtersorb System has been installed, the hardness level will remain the same and can even test slightly harder due to the existing scale being removed from the plumbing (This is usually seen more on the hot water side do to more hardness build up on in the water heater and pipes). After the existing scale is removed the hardness will go back to normal hardness level.

How can I test the Media? For a homeowner, the simplest way which yields convincing results is using two sauce pans. You put two saucepans on a heater. One filled with the untreated water and the other with water treated by the water conditioner. As the water boils down the untreated water will build a hard calcium scum on the side and bottom of the sauce pan. The sauce pan with treated water will have no hardness calcium scum on the side and you will see a circulation of hardness crystals on the bottom of the pan just before the water is boiled out. (Note: be sure not to boil the water completely or the crystals will harden and burn on the bottom of the pan. The other easy method will be to observe heating equipment and appliances already covered with scale. After installing the water conditioning system, over time the existing scale in the water system will dissolve and the white scale buildup will start to disappear. Customers have observed, upon using the water

conditioning systems, their appliances and shower heads start to clean up from years of scale.

Will I feel and different when I shower? After the existing scale is completely dissolved, many customers have said that they feel a silk like feeling and their hair much cleaner than before the SP3 treatments.

Will I see any change in the laundry? After the existing scale is completely dissolved, your laundry will come out cleaner, feel softer, and last longer.

What should I expect after installing a SP3 conditioner from my dishwasher?

Dishwashers use water from the hot water side of plumbing and the water is extremely hot water and also extremely hot in the drying cycles when cleaning and drying the dishes. You may find unusual initial spotting because of the de-scaling taking place. You also may have existing excessive scale build inside the sidewalls and washing arms of the dishwasher.

The best way to eliminate the existing scale in the dishwasher is to put a cup of white vinegar in the upper basket during the washing cycle for the first few weeks. You can also use citric acid instead of the white vinegar. This will help dissolve the existing scale in the washer arms and inside surface of the dishwasher. You may need to do this until all of the scale in the plumbing is dissolved. When you have water going through the conditioner other than being used in the dishwasher cleaning cycle you can have the calcium crystals break down back into solution if you are using harsh dishwashing detergents that have low pH, high chlorine, and phosphates. Harsh detergents can breakdown the crystals and then can cause spotting on the dishes. It will be important to reduce or soap usage as much as 50%. And be sure to use Eco friendly dishwashing detergents. You may have to try several all natural dishwashing detergents to find the one that works best for your dishwasher Seventh Generation dishwashing powder which you can find at Target and Lemi Shine which is available at Wal-Mart are examples of environmental detergents that works well with our media in the dishwasher. Also in the bathrooms, over a few weeks you will see the existing scale slowly dissolve in the shower heads increasing water flow. Remember the calcium being treated is a nano size and will be flowing easier down the sides of the walls and glass doors in the shower. We recommend that you first clean the shower from existing scale with a cleaning product that dissolves old scale that has built up before installation of the SP3 Conditioner system. One suggestion to use a product called CLR. We then recommend that you coat the walls in the shower head with Rainx, a commercial product used for Automobile windshields. The Rainx allows the majority of the nano particles to be easily washed to drain. The few nano particles that are left can be easily wiped down because they no longer can adhere to the sides of the shower. Note. Rainx can also be used on all fittings to include the chrome. You can find Rainx at Wal-Mart or automobile stores.