A better way to soften water

Water is a basic necessity. But what about the difference between hard water and softened water? Softened water will keep your plumbing, appliances, water heater, fixtures, dishes and shower doors scale free. It will leave your skin feeling soft and smooth. And it will help you save money because your water heater and appliances will work more efficiently and you will use fewer detergents and soaps.

Are you looking to purchase a NuvoH20 water softener?

What NuvoH2O Users Say:

★★★★★

David | Nuvo Manor System

After the Nuvo System, you can feel the difference instantly. The water tastes good, feels good, and its not a cause of problems for the dishwasher, washing machine, shower heads or any of that stuff anymore. Its easy to install, easy to maintain, and it works. Flat out, it just works!

★★★★★

Faye | Nuvo Manor System

I have been very satisfied with the ease of the Nuvo System. You only have to change the cartridge every 6 months! My hair is softer, my skin is soft, the diswasher makes the dishes brighter, and the laundry is just beautiful! Its easy, economical, dosent take up much space, and it even cleans out the pipes!

★★★★★

Rob | Nuvo Manor System

I grew up in North Carolina so I have a pretty good sense of good water. I lived off well water, and for me, the Nuvo System has been just like well water. ITs great tasting and has a very soft feel to it. Theres more room in the garage, better water, and a lot less work!

Treating Hard Water

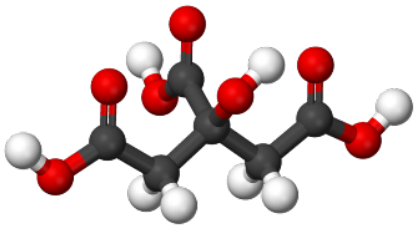
NuvoH2O treats hard water in two ways:

First, instead of removing calcium like traditional salt softeners, the NuvoH2O system chelates (binds) and sequesters (isolates) the calcium ions, preventing them from precipitating out and forming scale. Once bound to CitraCharge, the NuvoH2O chelant, the mineral cannot form scale.

Second, NuvoH2O also lowers the measured pH of the water to reduce or eliminate scale formation.

Effects of Chelation on Scale Formation

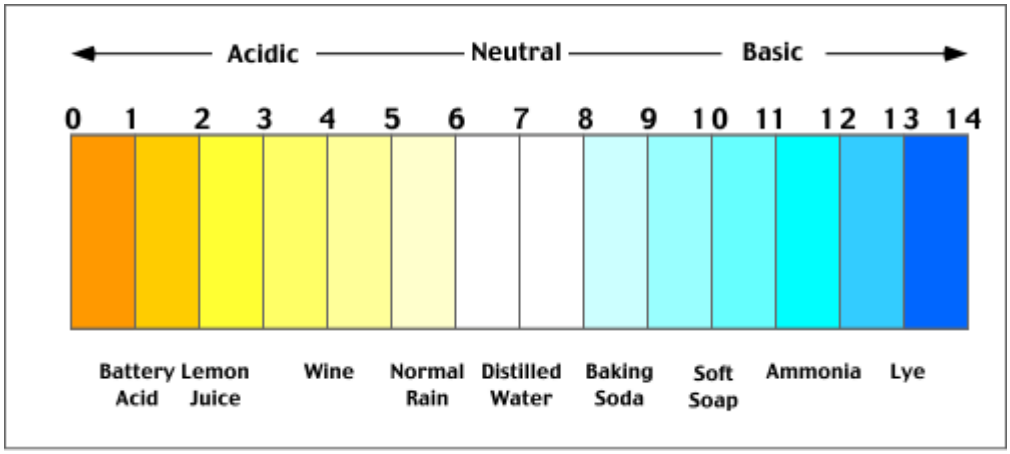
The NuvoH2O Salt-Free Water Softeners use a process called “Chelation” (pronounced key-LAY-shun). Chelation involves the binding, or stabilization, of mineral ions naturally found in hard water. The chelant in CitraCharge creates a ring structure to bind the ions to the CitraCharge instead of to other ions, which is what typically causes scale and hard-water deposits.



Our CitraCharge formula stops the mineral ions from causing hard water problems by making the typically troublesome minerals stay apart in the water, so instead of attaching to the metal in the pipes the water passes through. Since they’re bound, those minerals also freely wash away from your body, hair, dishes, pipes, fixtures, and appliances.

Effects of pH on Scale Formation

A primary ingredient in CitraCharge is an FDA approved citric acid. Citric acid is a weak organic acid that occurs in fruits and vegetables. It is a natural chelant and preservative, and is used in many foods and soft drinks. The table below has the pH measures of a number of everyday items.



pH is one of the key factors determining whether or not scale will form. pH is the measure of the activity or concentration of hydrogen ions in a solution. Pure water has a pH very close to 7 at room temperature. Solutions with a pH less than 7 are said to be acidic with the acidity increasing as the pH decreases. Solutions with a pH greater than 7 are basic or alkaline.

CitraCharge naturally decreases the pH of hard water—which is nearly always alkaline—to closer to the neutral range, substantially reducing its potential for scale formation. Since the pH scale is a logarithmic scale (like the Richter scale for earthquakes), even small changes make a big difference. For example, if water measured 7.9 on the pH Scale is decreased to 7.4, it experiences a fifty-fold (50x) decrease in hydrogen ions.

NuvoH20 offers a wide variety of water softeners for any size of household.