



## Citric Acid Flush Through

Citric acid is a great product to flush through your plumbing to clean out any mineral build up. Citric acid is simply a concentrate of the acid of citrus fruits and has very low toxicity.

We would start with the installation of a housing to hold a filter cartridge that can be filled with the citric acid and later used with a filter to remove anything unwanted in your water. A good example is city water with chlorine or well water with iron or has a bad smell of sulfur. In installing the housing we recommend you install some sort of cut off valve on the incoming water supply to the housing as this eases the process when you need to replace the filter cartridge or citric acid cartridge.

The flush is very simple! First, fill or partially fill the empty filter cartridge by removing the screw off bottom and filling the citric acid powder into the cartridge. Install the cartridge into its housing and screw up to the housing head. Turn the water on. Go to the cold faucet closest to the housing and slowly turn the water on. You are watching for a foamy white to appear indicating the citric acid has reached this point. At the first moment the foamy white appears shut the water off. The idea is to let the citric acid do its job of breaking up the minerals that have built up. You may even have a faucet that only runs a trickle and may need to give it a bit more time or even repeat the process. **\*\*Caution\*\*** Do not waste the citric acid letting the faucet continue to run – shut it off as soon as you see the white foam. Once this has been done to the closest cold water faucet proceed to the next with the same procedure and so on until you have done every cold water faucet or shower head. Once all have been done let this sit for 10 – 15 minutes. Then you'll be ready to flush all cold water faucets. You can also do a hot water flush!



If you wish to do a flush of your water heater with citric acid this is a good time to start! Again, we begin by turning the temperature of the water heater down to barely warm and filling the empty cartridge with citric acid. To get the citric acid to flow into the water heater simply turn on a hot water faucet. This will draw cold water thru the citric acid and into the water tank. Run about 2 gallons of water from a hot water faucet, wait 10 minutes and run another 2 gallons and wait 10 minutes. This will get the citric acid into the water heater and it will sanitize and remove much of the mineral build up! To flush the water heater attach a hose to the water outlet at the bottom of the water heater and drain to the outside if possible or into a drain! All sorts of dirty build up will come out of most water heaters that have not been flushed recently. This will clean off the mineral build up on the heating elements, reduce your gas or electric bill and save your water heater if it can be saved. Your Housetron will eventually do much of this cleaning process but that will take time. The citric acid flush is the immediate way!

