

# Carbonation



A CARBONATION TANK



## What is Carbonation?

When water leaves the sedimentation tank it has a pH of about 10.5, from the slaked lime that was added. This high pH (alkaline) makes the water feel and taste soapy. In order to make the water less alkaline (a lower pH), carbon dioxide (an acid) is bubbled through the water. The pH of the water is now between 8.0 and 8.4. This makes the water taste and feel much better. At this pH level calcium carbonate is deposited in the distribution pipes. This protects them from rusting.