

## Chlorine Oxidation

Cation exchange resin is subject to oxidation from chlorine in city water. Standard cation resin, such as ResinTech CG8, offers moderate oxidation resistant to low chlorine water.

Any time the chlorine level is greater than 0.5 part per million, steps should be undertaken to ensure the resin lasts longer.

One obvious method to prevent oxidation is removal of chlorine from the water using activated carbon vessels. Carbon has a high capacity for chlorine removal.

Another method to consider, if chlorine removal is not an option, is to use a cation resin with a high degree of crosslinking, such as ResinTech's CG10.

Where CG8 resin has 8% crosslinking, CG10 has 10% crosslinking.

This additional crosslinking can extend the life of the resin when treating city water containing chlorine, sometimes as much as doubling the life of the resin.

