

Mineral Pack Sanitization

The mineral pack system is a combination of minerals developed by NASA for water sanitization. NASA's research has been built upon and improved over the years to yield a mineral combination that has far superior micro-organism killing capacity than any one mineral by itself in the sanitization of pool water. The minerals added to your pool last approximately six months and are continually rejuvenated as they pass through the cartridge in either your skimmer basket or pump well.

Natural Non-Chemical Oxidation

Green Smart's non-chemical method of oxidation is what separates it from other chemical reducing water purification systems on the market. The system should be turned on anytime your pump is running; preferably a minimum of 12 hours each day. Oxidation is achieved by sending low voltage electrical current through the titanium plates in the electrode chamber while water passes through the chamber. This low voltage electrical current separates the water molecules and forms oxygen radicals. The process creates a combination of the most powerful oxidizers available for water disinfection. The oxidizers then bond with contaminants in the pool such as the dead organic matter that was killed by the copper ions and other contaminants such as body oils and suntan oils in such a way that they may be filtered out of the water by your pool's filtration system.

Note: The system produces oxidizers, measured in grams per minute, at a level that is not available with other oxidation systems such as ozone generating systems. Additionally, each oxidizer is more powerful than sodium hypochlorite, the dominant form of chlorine.

Pool Owner Directions

- 1.) Place minerals in at the beginning of each pool season or every 6 months, whichever occurs first. (Indoor pools only have to replace once every 12 months.)
- 2.) Place the rejuvenating mineral cartridge in either your skimmer basket or pump well and empty baskets periodically to ensure debris does not block water's access to rejuvenating chamber.
- 3.) Set up Oxidizer box to be supplied 110 AC Current whenever pump is running. This can be accomplished by running pump 24 hours per day or by placing oxidizer box on timer which is synchronized with pump timer.
- 4.) Check water chemistry and attempt to maintain Alkalinity between 80-100ppm and Calcium Hardness between 250-400ppm.
- 5.) Maintain pH within a range of 6.8-7.2ppm by checking pH twice a week and adjusting with either additions of pH Up or pH Down products.
- 6.) Sit back and relax as the Green Smart System produces "bottled water" quality water for your swimming pool filled with Natural Oxygen and Healthy Minerals.

What can go wrong?
&
How do I fix the
problem?

Problem #1

If the pH goes to high then the minerals lose their killing effectiveness and you may develop a greenish tint to the water or full blown algae bloom

Answer:

Simply add a non-metallic algaecide, adjust water pH to correct range and then shock the pool with either liquid chlorine shock or non-chlorine shock. Chlorine will dissipate within one day and your pool will again be functioning in a 100% chlorine free mode.

Problem #2

You have developed Cloudy Water

Answer:

This is usually a result of an inadequate filtration system. Problem can be eliminated by running pump and oxidizer longer and/or addition of supplemental amounts of chlorine or non-chlorine shock to make up for the inadequacy of the filtration system.