

SCALEBLASTER[®]

WATER CONDITIONER

APPLICATIONS

Sustainable Solutions to Hard Water Problems

CLM-557

Swimming Pools & Spas



Swimming Pools & Spas Applications

Maintaining the proper chemical levels in your pool is key to keeping the pool and the people who swim in it healthy. Plenty of things can go wrong when the chemicals are out of whack, and one of those things is the presence of hard water. So what is hard water, and how do you prevent it? – or get rid of it if it's already an issue?

Hard water occurs when there is too much calcium and magnesium present in the pool. Hard water can cause damage to your pool and result in white residue left on ladders, pool decks and other surfaces. This is known as "scaling" and is the result of calcium hardening on a surface.

ScaleBlaster will:

- **Remove scale, scum deposits from pool walls, tile and pipes**
- **Reduce chemical usage**
- **Remove many types of stains and protect against future staining**
- **Help balance pH with less chemicals**
- **Slow down corrosion in expensive pool equipment**
- **Increase water heater efficiency, resulting in lower heating costs**
- **Reduce overall pool maintenance**

Calcium Hardness

The sum of all the calcium dissolved in water is referred to as the calcium hardness. Calcium is important since high levels are unstable and become even more unstable if the pH or the total alkalinity rise above the normal levels. These imbalances can result in cloudy water and/or scale. In addition, calcium does not like warm water. As water temperature rises, calcium becomes more likely to precipitate out of solution. Calcium is actually more soluble in cold water, which is why scaling of heater equipment is so common.

With all of the difficulties calcium can cause, it would seem logical to use soft water in filling a pool. However, this is not the case! While high calcium levels can cause problems with cloudy water and scale, soft or low-calcium water is also of concern. Such water is aggressive and will actually remove calcium from plaster in order to satisfy its need for the mineral. If the pool is vinyl or fiberglass, the low calcium water will actually attack metal fittings and heat exchangers resulting in destruction of the fittings or pinhole leaks in the heater. When such corrosion occurs, it is also common for stains to appear on pool surfaces. It will also damage the vinyl or fiberglass surface you may have.



For nearly 100 years, chlorine has been perceived as the only way to disinfect water in swimming pools and spas. Yet, this method commonly yields red irritated eyes, dry and brittle hair, itchy skin and bleached out swimsuits.

Chlorine is a strong bleach and is dangerous.

The bottom line is, nobody likes CHLORINE!

The **Clearwater Pool System** is nature's way of treating water.

By using two of nature's most precious minerals and ozone as a basis for its technology, our system is the most advanced alternative sanitizing system available.

The **MineralPURE** system releases precise amounts of copper or copper/silver ions into the water to help control algae, bacteria & viruses.

The **OzoneMAX** produces a powerful oxidizer, Vacuum Ultraviolet (VUV) Ozone, that is injected into the water by a venturi manifold – included with the system.



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ScaleBlaster.com
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