

SCALEBLASTER[®]

WATER CONDITIONER

APPLICATIONS

Sustainable Solutions to Hard Water Problems

CLM-526

Home, Office, Apartment & Condos



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Water hardness is a source of many problems. One important trouble area is the way hardness minerals react with soaps and detergents. So important is this aspect of the hardness problem that hardness is sometimes defined as - "the effect of certain elements which combine with soap to form an insoluble material known as curd." The list of elements that possess this property of hardness include iron, copper and manganese, all present normally in relatively small quantities. More common, of course, are calcium and magnesium, which are usually present in significant amounts. Clothes washed with **ScaleBlaster** water are free of troublesome hard water soap curd.

For the building maintenance and/or home owners water hardness makes cleaning operations more difficult.

In the laundry, hard water leaves soap curd and detergent deposits on fabrics. This dulls colors and gives a grey or yellow appearance to white fabrics. Hard water soap curd also cling to fabric fibers, causing threads to become brittle and shortening the life of the material.

- Hard water wastes soap and synthetic detergents.
- Hard water leaves unsightly soap scum rings in the bathtub.
- Hard water spots and streaks glassware and dishes.
- Hard water makes bathing more difficult for skin and hair.
- Hard water builds up scale deposits in all water-using appliances and clogs hot water pipes.

Even more important to the unit owner and to his/her entire family, hard water hampers good grooming efforts.

Scale is one of the most serious problems caused by hardness mineral deposits. This particular by-product of water hardness puts many water-using appliances out of service. It clogs hot water pipes and can sharply reduce the heating efficiency of a boiler or water heater. When hard water is heated, scale is formed. This is due to

- the breakdown of calcium and magnesium bicarbonates
- their reversion to the highly insoluble carbonate forms
- their precipitation from the water
- their concentration on the interior surfaces of the water heater

Under certain conditions the deposits can form "sludge". Both sludge and scale can lead to a sharp reduction in operating efficiency.

Protect Your Appliances - Your appliances & fixtures that come in contact with hard water will operate much more efficiently and will have a prolonged life expectancy with **ScaleBlaster** installed.

ScaleBlaster will remove limescale deposits while prolonging the life of...

- | | | | |
|--------------------|-----------------|---------------|--------------------|
| • Piping systems | • Water heaters | • Dishwashers | • Tankless heaters |
| • Washing machines | • Toilets | • Faucets | • Showerheads |
| • Sinks | • Coffee makers | • Humidifiers | • Radiant heaters |

Tankless Water Heater Solution - The heat exchanger in tankless water heaters will foul up with scale deposits rapidly & require regular service calls to flush out the lines with CLR or vinegar. **ScaleBlaster** will eliminate that.

Cooling Towers - **ScaleBlaster** will control lime scale deposits on the tower fill, sump tank, spray headers, valves, pumps, and pipes. Mineral Pure, our Copper/Silver ionizer, will kill algae and bacteria.

Condensers - **ScaleBlaster** will control lime scale deposits on heat exchanger tubes.

Chillers - **ScaleBlaster** will control lime scale deposits on heat exchange surfaces.

Air Handlers - **ScaleBlaster** will control lime scale deposits on heat exchange surfaces.

Hot Water Heaters - **ScaleBlaster** will control lime scale deposits on the heating coil and tank.

Boilers - **ScaleBlaster** will control lime scale deposits on boiler fire tubes, condensation tank, pumps, pipes and valves.



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ScaleBlaster.com
800-756-7946

