

# SCALEBLASTER<sup>®</sup>

WATER CONDITIONER

# APPLICATIONS

*Sustainable Solutions to Hard Water Problems*

CLM-522



Greenhouses



# Greenhouses

Hard water is due to high concentrations of the mineral salts calcium and magnesium, that are measured in grains of hardness. When water undergoes temperature or pressure change limescale will form on surfaces, which often includes the roots and stems of plants, which is detrimental to your growing operation. Once limescale is formed both the calcium and phosphorus become unavailable to the plant.

Filtration and pH adjustments using acid are common ways of controlling limescale, though **ScaleBlaster** an electronic water conditioning system has moved to the forefront as a simple, safe means of controlling scale in greenhouse operations with no maintenance and low cost.

**ScaleBlaster** is ideal for limescale control in drip tubes, misters, valves, spray headers, hydroponic beds, aquaponic beds, and fertilizer application systems.

- Controls & biofilm development
- Improves health of fish and plants
- Reduces the need for chemicals
- Prevents limescale development
- Decreases surface tension of the water
- Increases the solubility of nutrients in the water

**ScaleBlaster** is ideal for limescale control in:

- Pumps
- Valves
- Drip tubes
- Spray headers
- Misters
- Tanks
- Pipes
- Spray nozzles
- Flooding beds
- Drippers

Main benefits of using a **ScaleBlaster** water conditioner:

- Prevents new limescale accumulation
- Controls bacteria and algae
- Dissolves and removes existing limescale
- Boosts filtration efficiency

## Reduce the need of chemicals to remove lime scale and biofilm deposits

- **ScaleBlaster** will greatly reduce the need of chemicals and agents to remove existing lime scale and biofilm deposits in waterlines and equipment.

## Prolongs use of equipment

- **ScaleBlaster** will greatly prolong the life of equipment by reducing the use of chemicals and the wear and tear chemicals cause.

## Reduce maintenance costs

- **ScaleBlaster** will result in considerable savings in the labor incurred in the cleaning of lime scale and replacing equipment.

## Capital equipment last longer

- **ScaleBlaster** will save money in replacing misters, foggers and costly HVAC equipment while making them perform more efficiently – resulting in considerable savings.

## Removes lime scale and sludge from waterlines

- **ScaleBlaster** will remove lime scale deposits and sludge from the waterlines and prevent it from forming again.

## Reduces biofilm and the breeding ground for bacterial growth

- **ScaleBlaster** will reduce biofilm by removing lime scale deposits which act as a breeding ground. Biofilm is a complex community of bacteria, fungi and algae encased in an extracellular polysaccharide and other organic contaminants attached to a surface. The chances of infection and other unhealthy situations are reduced.

## Improves the performance of water cooled refrigeration equipment

- **ScaleBlaster** will allow for refrigeration equipment to work much more efficiently without scale formation.

## Improves the performance of water heaters and boilers

- **ScaleBlaster** reduces lime scale formation which will increase the thermal efficiency of heaters.

## Performance improvements in cooling towers, chillers, and wastewater treatment

- **ScaleBlaster** has a wide assortment of benefits in the HVAC and wastewater fields. Ask your representative for more details.

## Eliminate lime scale in flow control and spray valves for cleaning and disinfecting wash

- **ScaleBlaster** improves the spray valves and flow control in cleaning and disinfecting wash.

## Eliminates scale stains from stainless steel and other surfaces

- **ScaleBlaster** stops the formation of lime scale and the resulting unsightly stains.

## Return on investment within months

- Your investment in **ScaleBlaster** is quickly recovered within a few months with the accumulation of the above benefits. Also, huge savings thereafter as **ScaleBlaster** will perform for many years without the need of chemicals or maintenance.

## Main Benefits

- Dissolves and removes existing limescale
- Reduces corrosion
- Prevents new limescale from forming in irrigation systems
- Controls algae & bacteria levels

## Environmental and Financial Benefits

- Cuts down on usage of electricity
- Decreases or eliminates chemical usage
- Improves efficiency of machinery and appliances
- Saves water
- Less wear and tear on pumps and other equipment
- Lowers the need for chemical safety precautions, storage and disposal

## Additional Benefits

- Never requires maintenance
- Operates 24/7 with minimal power usage
- Non-intrusive and easy to install - no plumbing required

## Specific Greenhouse Benefits

- Keeps misting heads and drip lines scale free
- Protects equipment
- Promotes healthier plant growth
- No need to cut into or drill into existing pipework

Eliminates acid usage in the orchard for irrigation/overhead cooling systems and saves on-going cost of chemicals - SHORT TERM PAYBACK ON MOST SYSTEMS.



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**ScaleBlaster.com**  
**800-756-7946**

