

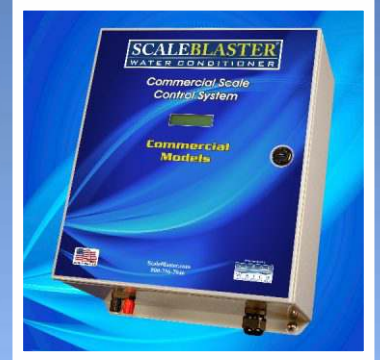
SCALEBLASTER[®]

WATER CONDITIONER

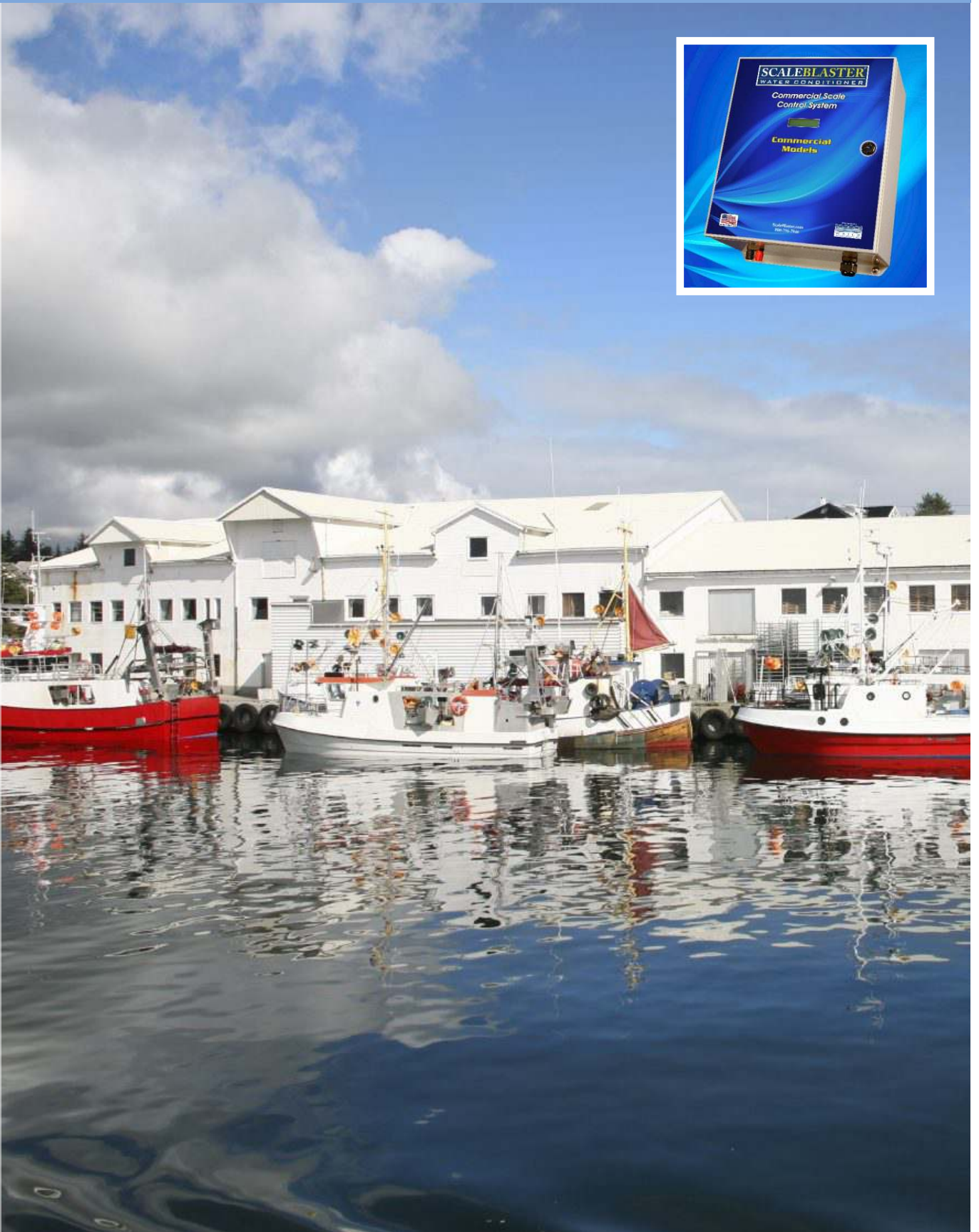
Sustainable Solutions to Hard Water Problems

APPLICATIONS

CLM-501



Aquaculture



Aquaculture Industry Applications

Water hardness is the measure of divalent ions in the water. Some common causes of hardness are calcium and magnesium carbonate. If you go through a lot of salt in your water softener in your home, and your pond is in your backyard, there is probably a good chance you have hard water in your pond as well. Hard water can decrease the effectiveness of certain algae and aquatic plant chemical treatments. It can also limit the growth of plankton in your pond and limit fish growth.

Note that proper management of hardness and alkalinity will usually eliminate the need to worry about pH.

Quality water - Aquaculture is an emerging business with tremendous potential in and near metropolitan centers. The need for fish, shrimp, crayfish, mollusks, clams, etc. is an ever increasing business. Quality water means less cost of operation. pH, aeration, feed cycles, temperature, nitrate, and disease control are all expensive cost centers.

Calcium carbonate scale control - To balance the pH, the facility will use calcium carbonate to raise the pH to the desired 7.0 to 7.5. The calcium carbonate is sacrificial. The calcium carbonate is fed in to the tanks, and that in turn causes problems downstream with pumps and aerators. **ScaleBlaster** can control scale formation from calcium carbonate.

Heat exchangers - When the temperatures are not maintained well, the feed conversion is disturbed and excess food forms sludge. Waste management costs rise. **ScaleBlaster** controls lime scale deposits on heat exchangers in the tanks and in the boilers.

Nitrates - Fish waste in the form of nitrates is deadly to fish. Nitrates lower the pH and more calcium is added to avert poisoning the fish. **ScaleBlaster** can keep the filter equipment from clogging with scale. Nitrate levels will be controlled.

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.

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.

Culling rates dramatically reduced



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ScaleBlaster.com
800-756-7946

