

C A S E S T U D Y



Chiller and Cooling Tower Water Treatment (Open and Closed Loops)

OVERVIEW

There are three main challenges for treating cooling water: Scale, Corrosion and Biogrowth.



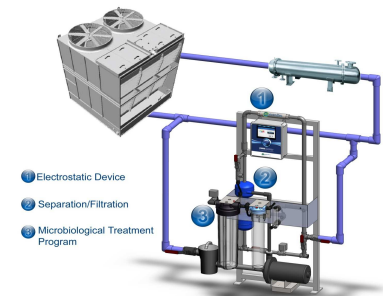
WATER SYSTEM CHALLENGES

The traditional chemical treatment calls for chemicals to deal with these challenges. When scale is present, the condenser's ability to transfer heat is reduced, causing higher pressure and higher temperatures hence more energy. Microbial growth induced corrosion which weakens components, reduces heat transfer efficiency and causes leaks, as well as reduces life expectancy of the equipment.

SOLUTION

The **ScaleBuster**® technology enables the operator to reduce chemicals while maintaining the system free of scale buildup, corrosion as well as Biological growth for maximum efficiency while saving energy and reducing downtime.

EnviroTower™ CONCEPT



RESULTS

There are thousands of **ScaleBuster**® conditioners installed in cooling systems applications (HVAC and Process), some combined with filtration which physically removes the precipitated hardness. Among these, over 90% are found in open loops (some can be found in **EnviroTower**™ systems) and a minor percentage in closed loops (to eliminate chemicals and allow cooling water to be simply drained).

ABOUT THE TECHNOLOGY

The patented **ScaleBuster**® technology completely replaces traditional chemical treatment; providing control of scale and corrosion in various water process systems to create an exceptionally clean system. This dramatically reduces energy and water consumption, while reducing or, in certain cases, eliminating toxic water discharge to the environment.