



# Industrial Water

Cooling towers



## Introduction

The cooling tower is one of the most critical and commonly encountered industrial water treatment systems. Of greatest concern is the water and chemical usage connected with cooling towers. Aside from the significant costs and toxicity related to standard treatments, cooling towers dump alarmingly high volumes of water, even during periods of minimal operation.

Chemical treatment and water dumping exist to stave off critical issues like corrosion and scale, but are also a standard of care that treats the symptom, and not the source. This pattern also leads to billions of gallons of potable water waste, and water supplies tainted by chemical introduction.

ProMoss™ for cooling towers offers a powerful, simple, and natural water treatment program that requires no installation or change to an existing cooling tower configuration. Using a simple “contact chamber” and the appropriate amounts of ProMoss™, any cooling tower (with an existing water basin) can experience the advantages and cost savings of ProMoss™.

## ProMoss™ Advantages

- **Easy installation**
  - ProMoss™ is delivered to the cooling tower basin in a “contact chamber”. No additional plumbing, or change to the cooling tower water flow, is needed. Changed once-a-month, ProMoss™ light, non-toxic, and easily removed for disposal. Removal of the product is accomplished by simply removing the ProMoss™ from the contact chamber.
  
- **ProMoss™ works with:**
  - Chlorine
  - Bromine
  - Nonoxidizing Biocides
  - Dispersants
  - Anticorrosion Additives
  - Enzymes

Designed to maximize the quality of treatment, ProMoss™ has been tested for use with the most commonly used cooling tower industry treatments. Neither the activity of ProMoss™ or chemicals were compromised. As with any natural, plant based product, excessively high levels of oxidizing biocides will bleach and destroy ProMoss™.



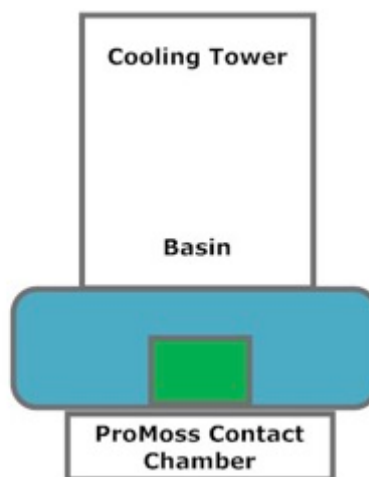
- **ProMoss™ allows and encourages:**
  - Removal of Dispersants
  - Removal of Anti-Corrosion Additives
  - Increase in Blowdown Settings to Save Water
  - Less Cleaning/Service of Scale in Cooling Tower
  - Reduced Scale and Corrosion in Chillers

The water treatment effects of ProMoss™ allow the decreased or discontinued use of many expensive and commonly used chemicals, with no resulting increase in scale or corrosion. In systems that use natural water sources for cooling towers and return the water to the natural source, use of ProMoss™ has resulted in decreased scaling and corrosion, without need for additional chemicals or other electrically based water treatment systems.

- **Reduced costs:**
  - Less Makeup Water
  - Decreased Chemical Costs
  - Decreased Maintenance Costs

ProMoss™ has also demonstrated the ability to allow increased blowdown settings, by 100% (or more), with no increase in scaling or corrosion. This results in significant water savings. ProMoss™, when used in conjunction with an oxidizing biocide, has given excellent results. Profound reductions in scale all but eliminate the need for power washing and acid washing.

## Industrial Aquatic Solutions Cooling Towers Treatment System



# Creative Water Solutions

## Contact Information

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