

# CORROSION AND SCALE INHIBITION SOLUTIONS FOR COOLING TOWER SYSTEMS



**At Spectrum Water Technology, we understand that every cooling system is different.**

**So why are the other guys trying to sell you and everyone else the same costly, generic treatment solution?**

*What sets us apart from the rest is our diagnostic process and custom treatment blends.* Rather than just testing your water, we look at your system as a whole and determine what factors may be causing further – or even unseen – damage to your cooling system. Once we have a strong understanding of your system, we are able to formulate a custom blend of chemicals that is designed to treat the exact problems you are experiencing.

## BENEFITS

**Decreases uptime maintenance costs. Increases production rates. Reduces the chance for unscheduled shutdowns. Improves off-line chemical and mechanical cleaning times. Limits cooling tower repairs and fill replacements.**

### **Spectrum's Corrosion & Scale Inhibition Chemicals:**

*We are proud to offer uniquely blended, multi-functional solutions that are designed to provide multi-metal corrosion and deposit control in a wide range of cooling water systems.* Each solution is designed to fit your needs versus the costly, traditional one-size-fits-all programs that are widely available.

Each one of our formulations is blended from four major components: terpolymer, polyphosphate, orthophosphate, and aminophosphate/manganese inhibitor.

**Terpolymer:** provides calcium phosphate, calcium carbonate, iron, and silt dispersion throughout the cooling systems.

**Hexametaphosphate:** provides carbon steel general corrosion and pitting protection.

**Orthophosphate:** provides additional pitting protection.

**Aminophosphate/Manganese Inhibitor:** provides yellow metal and carbon steel corrosion inhibition, as well as calcium carbonate & calcium phosphate inhibition.

Our solutions have been proven effective even in low-flow heat exchangers which historically result in costly, unplanned downtime for most of our customers.

Overall, our corrosion and scale inhibition chemical solutions have been highly successful in reducing downtime caused by exchanger failures and extending the life expectancy in poorly maintained exchangers.

***Give us a call today at 225-647-3565 or visit our website at [spectrumwater.com](http://spectrumwater.com) to learn more about our corrosion and scale inhibition solutions and to schedule a consultation with one of our experts.***

*Our mission is to provide the industrial water and wastewater market with customized solutions to complex problems, from treatment process areas to wastewater and sludge dewatering.*

*We take pride in increasing efficiency and decreasing costs and labor associated with waste streams in many different industries. For more information, visit [SpectrumWater.com](http://SpectrumWater.com)*



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