

## Cooling Towers, Evaporative Condensers, Chillers, Air Compressors

Maintaining the clean and efficient operation of your cooling towers, chillers, evaporative condensers or air compressors, is extremely important. These systems provide either process cooling for manufacturing or air conditioning for buildings. Mineral and/or biofilm deposits can cause increased energy costs or even downtime, (i.e., a 1/64" bio-film translates into a 30% increase in energy costs).



**CE Water's** application-specific cooling water treatment programs are engineered to fit your equipment, operating conditions and water quality. Our treatment programs are designed to provide the best scale and corrosion protection, in concert with bacterial control, (Legionella and other bio risks). In partnership with our customers, properly executed cooling water programs can; 1) reduce utility costs 2) provide protection against bio-films and pathogens, 3) prolong equipment life, and 4) reduce downtime.

### CE WATER Cooling Water: Treatment



**Scale & Corrosion Inhibitors:** CE Water products provide superior inhibition in scale and corrosion in any water. These products are specifically formulated for your system, water and operation.

**Oxidizing Biocides:** CE Water products are utilized in our alternating-product programs and utilize the latest bromine products to provide protection against biofilms, algae and other biological that retard efficiency, shorten equipment life and increase the possibility of Legionnaire's disease.

**Non-Oxidizing Biocides:** CE Water products are utilized to alternate with our oxidizing products. Specific biocide selection is dependent upon: types of bacteria that are present your water, discharge regulations, equipment specifics and the operating conditions. When applied properly, our alternating-biocide programs provide clean, biologically- minimized systems.

**Specialized Treatment Technologies:** CE Water is also a market leader at engineering application-specific Integrated Treatment Technologies Programs (ITTP), developed to reduce/minimize the use of chemicals, if possible. (ITTPs combine specialized non-chemical treatment technologies with filtration and/or chemical supplements, see below).

### Cooling Water Treatment Products & Services

Treatment Technologies	Controls & Dispensing	Analysis & Testing	Consulting & Services	
<ul style="list-style-type: none"> <li>C.I.P Treatments</li> <li>Chlorine Alternatives</li> <li>Chlorine Dioxide</li> <li>Cleaning &amp; Descaling</li> <li>Corrosion Inhibitors</li> <li>Defoamers/Antifoam</li> <li>Deposit Inhibitors</li> <li>Dispersants</li> <li>Electrodeionization (EDI)</li> <li>Glycol &amp; Hydronic Fluids</li> <li>Griswold SBC Systems</li> <li>High-Purity Water</li> <li>Non-Acid Treatments</li> </ul>	<ul style="list-style-type: none"> <li>Microbiocides (EPA Reg.)</li> <li>Non-Oxidizing Biocides</li> <li>Oxidizing Biocides</li> <li>Ozone Generation</li> <li>Passivation Products</li> <li>RO/Reverse Osmosis</li> <li>Scale Inhibitors</li> <li>Solid-Concentrates</li> <li>UV Disinfection</li> <li>Washout/Flushout</li> <li>Water Softening Programs</li> <li>White Rust Prevention</li> </ul>	<ul style="list-style-type: none"> <li>Alkalinity Reduction</li> <li>Brominators</li> <li>Bypass Feeders (Pot)</li> <li>Chemical metering pumps</li> <li>Controllers: bleed-off</li> <li>Filtration &amp; Separation</li> <li>Glycol Feeders</li> <li>ORP Controllers</li> <li>pH Controllers</li> <li>Reverse Osmosis</li> <li>Softening Systems</li> <li>Solenoids &amp; Ball Valves</li> <li>Timers (Contact &amp; Bio)</li> <li>Water Meters</li> </ul>	<ul style="list-style-type: none"> <li>ATP Micro Testing</li> <li>Corrosion Monitoring</li> <li>Corrosion Analysis</li> <li>Deposit Monitoring</li> <li>Deposit Analysis</li> <li>Failure Analysis</li> <li>Laboratory Analysis</li> <li>On-Site Analysis</li> <li>Remote Monitoring</li> <li>Test Kits</li> <li>Water analysis</li> <li>*Most CE Water testing conducted by independent labs</li> </ul>	<ul style="list-style-type: none"> <li>Chiller (New) Passivation</li> <li>Cleaning (Equipment)</li> <li>Energy Management</li> <li>Operator Training</li> <li>Plant/Facility Flow Studies</li> <li>Proactive Service-Program</li> <li>Treatment Design Services</li> </ul>

**Programs available in both liquid & solid-concentrate (drumless) form.**

#### Notice

The material provided in this bulletin is informational in nature and is not intended to be instructions for a particular location or installation. There is no guarantee, warranty or other assurance of fitness of purpose or operational performance or results either express or implied. The user assumes all risk in following the information provided. Always read and follow product safety and performance instructions on product labels, Material Data Safety Sheets and those provided specifically for your requirements by your **CE Water** representative.