

Maintaining the clean and efficient operation of your boilers is very important. A deposit of 1/16 of an inch can result in a 20% efficiency loss. Heavier deposits can lead to tube overheating and failure.

**CE Water's** application-specific boiler water treatment programs are engineered to match your system's operation and water quality, and, provide the optimum in scale and corrosion protection. **CE Water** will help you; 1) reduce utility costs, 2) improve boiler operating efficiencies, 3) reducing maintenance levels, 4) prolong equipment life, and 5) reduce downtime.



**Internal Treatment:** **CE Water** offers a wide variety of application-specific formulations, matched to your make-up water quality and operating conditions. The (internal treatment) polymer packages, sludge conditioners, etc. will help to prevent scale and corrosion, as well as waterside metal passivation. Our boiler products utilize state-of-the-art dispersion polymer technology, providing for exceptional boiler cleanliness coupled with the highest fuel efficiency.

**Feedwater Treatment:** **CE Water** formulations will provide maximum corrosion protection to boiler feedwater systems, based on operating pressures, make-up water quality and equipment operation.

**Steamline Treatment:** **CE Water** corrosion inhibitors will protect metal surfaces from attack by carbonic acids, thereby decreasing condensate piping maintenance as well as iron returning to the boiler. Our extensive line of neutralizing amine blends, are excellent for most operations and comply with GRAS regulations and/or the use of FDA Title 21 approved raw materials.

**Pretreatment:** **CE Water** formulations optimize the operation of your pretreatment equipment, including pretreatment resin cleaners. We can also provide Reverse Osmosis membrane scale inhibitors, anti-foulants and cleaners to optimize the operational effectiveness of RO equipment.



## Boiler Water Treatment Products & Services

Treatment	Controls & Dispensing	Analysis & Testing*	Consulting & Services
Alkalinity Boosters AntiFoam/Defoamers C.I.P Treatments Chelants/Cleaners/Descalers Condensate Return Treatment Dispersants- Fly Ash/Fuel Conditioners Hot Water Heating Products Internal Treatment Ion Exchange Resins Membrane cleaners Oxygen Scavengers Return Line Treatment Scale & Corrosion Inhibitors Sludge Conditioning Steam-Line Treatments Washout/Flushout Treatments	Alkalinity Reduction Bypass Feeders (Pot/Shot) Chemical metering pumps Controllers: blow-down Dealkalizers Demineralizers Filtration & Separation ORP Controllers pH Controllers Reverse Osmosis Softening Systems Solenoids & Ball Valves Timers Water Meters	Corrosion Monitoring Corrosion Analysis Deposit Monitoring Deposit Analysis Failure Analysis Laboratory Analysis On-Site Analysis Remote Monitoring Test Kits Water Analysis  *Most CE Water Testing conducted by independent labs	Cleaning (Equipment) Condensate Studies Energy Management Systems Operator Training Plant/facility flow studies Pretreatment Studies Service-Program System Design Services Treatment Design Services

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.