

## Kriss Open Chill Water Management Program

Water contamination can have serious and costly effects, such as equipment damage and even failure, not to mention worker health problems. Heavy particulate matter and corrosive agents in process water can wreak havoc on your plant's productivity. The following conditions suggest that your plant is suffering from water contamination:

- Scaling of high-heat, low-flow areas.
- Clogging and/or corrosion of process components.
- Gelatinous deposits.
- Worker health complaints such as fever, chills, coughs, muscle aches, headache, tiredness, loss of appetite, and even pneumonia.



Kriss Products designed our program utilizing the powerful water treatment properties of ProMoss™ natural water treatment and the FlowMark Advanced Oxidation Disinfection System. The combination of these technologies provides a water treatment program that solves the issues associated with water based cooling systems while protecting employees from contact with potentially hazardous chemicals.

### ProMoss™ Natural Water Treatment



Industrial components suffer from the multiple issues associated with both water and air exposure. As such, equipment often becomes impeded or rendered unusable by scale formation, while water flow spreads organic contamination throughout the system. Organic contamination, along with evaporation, contributes to scale formation on these surfaces. Treating the circulating water reduces organic contamination, scale formation and corrosion on all components of the system.

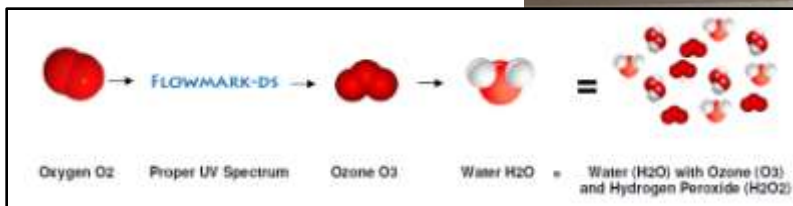
#### ProMoss™ treatment will:

- Reduce Organic Contamination in the Chill Water System, Nozzles or Injectors, and Reduce Accumulations on Surfaces
- Inhibit New Scale Formation
- Reduce and Absorb Existing Scale
- Inhibit Corrosion throughout the Chill Water System
- Reduce Maintenance Time and Associated Costs

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## FlowMark Advanced Oxidation Disinfection System

The FlowMark Water Treatment Disinfection System is an electronic, non-invasive device that generates powerful disinfecting gas ( $O_3$ ) from a germicidal UV lamp housed in a weatherproof enclosure. The disinfecting gas is introduced to the water flow by use of an injector in a bypass connected to the chill water loop. FlowMark controls bacteria, fungus, mold, and biofilm without the problems associated with handling and storing conventional biocides.



### FlowMark Disinfection System will:

- Kill Bacteria on Contact
- No Liquid or Solid Chemicals to Handle
- Produces Ozone ( $O_3$ ) from Ultraviolet Light
- A Stronger Oxidizer than Chlorine
- Creates Hydrogen Peroxide Residual
- Works well with over a wide pH range
- Controls Bacteria, Mold and Fungi

## Monitoring and Control

Your Kriss Water Treatment Representative is your expert and partner in the setup and control of your water treatment program.

Included in the price of the program is everything required to assure that your system and more importantly your employees are protected. Our Open Chill Water Management Program includes:



- Replacement ProMoss™ as required
- Regular on-site visits to test, review and adjust the system as required
- Bacterial dip slide tests to assure bacterial growth is kept under control
- Water treatment instructions and log book to record test results assuring compliance
- A yearly Legionella test (or more often if desired) to assure the system is Legionella free
- A yearly replacement UV lamp for the FlowMark System
- Optional corrosion coupons to monitor metal corrosion rates

Kriss Water Treatment is ready to help design and implement an efficient and effective water management program for your chill water system. For a free, no obligation analysis, contact your local Kriss Representative or contact our office directly.

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