



YORK® Enhancement Services

ED 2000 Multipure Total Cooling Water Treatment System



In today's changing operational environment, innovative solutions are necessary to solve cooling water treatment problems. Regulatory, environmental, and competitive pressures are driving plant management teams to be creative in solving these challenges. ED 2000 answers these challenges with our non-chemical cooling water management program featuring an integrated series of treatment technologies called ED 2000.

The ED 2000 Multipure System, combined with the Guardian monitoring and control system, represents a compilation of the most technologically advanced components

available for managing cooling water non-chemically. Each component has been thoroughly developed and proven in the field to perform its unique function in the safest, most effective and environmentally sound way possible. When combined as a water treatment system, each component complements the others and works in concert to control scale, microbiological growth, corrosion and fouling. However, the goal of the ED 2000 Multipure system is not simply to replace the chemicals typically used to control these concerns, but to make cooling water perform more efficiently than ever before.

ED 2000's skid-mounted total treatment package is comprised of the ED 2000 Multipure and the Guardian Monitoring and Control System.

The ED 2000 Multipure includes three proprietary components to address scale, microbiological growth, corrosion and fouling. Each component is technologically advanced from a performance, efficiency and control standpoint. The technologies have been designed to work together to achieve an effective solution to combat cooling water treatment concerns.

Advantages of the ED 2000 Multipure

Environmental

- Eliminates chemicals
- Environmentally responsible water management
- Water conservation

Operational

- Minimizes maintenance and downtime
- Provides cold, clean water
- Extends equipment life
- Prevents and removes scale deposits
- Mitigates system microbiological fouling
- Removes inorganic fouling
- 24/7 real time monitoring and control

Financial

- Energy savings
- Reduces water and discharge costs
- More cost-effective than standard chemical water treatment

Human Resources

- Reduces risk and liability
- Increases employee safety

ED 2000 Multipure



ED 2000 Ironman Filtration System
Advanced technology combining cyclonic action with multimedia filtration removes fine particulate matter from cooling water systems while also conserving water.



ED 2000 Ionization Biocontrol Unit
Maintains a precise but very low residual of copper/silver ions throughout the circulating water system that is lethal to microbiological life.



ED 2000 Anti-Fouling System
Solenoid Induced Molecular Agitation produces a controlled precipitation of hardness ions that continually softens cooling water with targeted protection of key components from scale formation.

Guardian

The Guardian Monitoring and Control System enables continuous monitoring and control of key system parameters as well as the ED 2000 Multipure components remotely and in real time.



Guardian Monitoring and Control System –

The sophisticated microprocessor based cooling water control system will:

- Maintain/control cycles of concentration
- Monitor, log and archive specific water chemistry parameters
- Monitor, log and archive tower water balances
- Monitor, control and provide alarms to ED 2000 concerning other ED 2000 treatment components
- Provide alarms to ED 2000 to identify excursions of any monitored parameter



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