Coolplex Cooling Water Control

The Coolplex Concept

Packaged control system
Automatic control
Easy installation
Simple
Safe
Reliable
No chemical handling
Robust Engineering
Rugged construction
Waterproof enclosure option
Tamper-proof safety
Plug and play
Bespoke options

Benefits

Legionella control
Corrosion control
Scale control
Process protection
Reduced down-time
Safety
Economy and efficiency
24/7 control

Coolplex - Cooling Water Control System

Coolplex packaged dosage and control systems make cooling water treatment simple and reliable ensuring that your system is protected and operates at maximum efficiency.

An effective cooling water treatment system involves the dosage of corrosion and scale inhibitors and biocides and the control of the cooling water concentration factor through bleed-off. Coolplex systems do this safely and automatically ensuring essential tasks are carried out and freeing your staff to focus on other activities.

Easy Installation

Systems can be supplied either on a wall-plate for mounting within a plant room or housed within a robust water-proof enclosure for installation in the most hostile of environments. The Coolplex approach makes installation simple with the electrical connections between the pumps, sensors and controller all pre-wired and the sensor probes and chemical injection fittings are usually incorporated in a pre-fabricated manifold which simply requires connection across the cooling water flow and return.

Monitoring, Control and Communications Options

A range of sensor probes and control options can be incorporated including redox (ORP), chlorine, bromine, pH, water temperature and conductivity to allow you to continuously monitor and control the key parameters of your cooling water treatment programme. The dosing pumps can be fitted with chemical low level and no-flow alarms. Depending on the Coolplex model, options are available to allow alarm or out of specification conditions to be notified by visual or audible alarm and via email or SMS text.

Safe Chemical Handling

For smaller applications Coolplex systems often dose the cooling water chemicals directly from the supply drum with a rigid pump suction assembly and low level cut to stop the pump when the drum needs changing over. For larger applications a Hands free bunded dosing tank system can be used where we provide a pumped transfer delivery service to avoid chemical and manual handling issues.