

acc@pta

The Water Treatment Products Company

Coolplex®

The Simple, Safe and Cost-effective way to take control of your cooling system



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Coolplex & Bromgard Superior Cooling Water Treatment Control



How it works

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. The electrical connections between the pumps, sensors and controller are 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 bunded dosing tank system or IBC can be used.



Coolplex DGM



Coolplex Web Master

Bromgard – Effective Cooling Water Treatment Made Easy

Without effective water treatment, a cooling water system can suffer from scale formation, corrosion and fouling and may become a breeding ground for harmful bacteria such as those which cause Legionnaires' Disease. This reduces efficiency, shortens plant life and makes your operation unreliable and unsafe. Poor control can not only put your cooling process at risk, but can also squander £1,000s in wasted energy, chemicals and water charges.

The Bromgard range of cooling water treatment chemicals are designed to provide the highest level of protection against these problems in the easiest possible way – giving you peace of mind knowing that your cooling system is well protected so you can get on with other things.

What is Bromgard?

Bromgard is a unique range of multifunctional liquid cooling water inhibitors and special activators which are matched to your cooling system and your water supply characteristics. They incorporate corrosion and scale inhibitors, dispersants to prevent fouling and bio-dispersants and a powerful bromine biocide to control microbial activity. Bromgard is the ideal treatment system to protect against Legionnaires' Disease.

A Bromgard treatment programme comprises the appropriate Bromgard Inhibitor and Activator, and where needed, this may be augmented by an additional non-oxidising biocide.

How is Bromgard applied?

The Bromgard Inhibitor is dosed in order to maintain a continuous residual in the recirculating water. This is most effectively done using a water meter controlled dosing pump drawing the chemical directly from the supply drum or from a bulk storage dosage tank.

The Bromgard Activator is dosed on demand in order to achieve the desired microbial control. Depending on your particular cooling system this may be achieved either by intermittent time-controlled dosage or often by Redox controlled dosage in order to maintain desired continuous bromine residual (typically 1 – 2mg/l).

Automation & Monitoring

Combined with the Coolplex cooling water dosing and control systems; Bromgard treatment can be automated for superior system control and protection.

The Bromgard cooling water treatment programme can be monitored by an easy to use test kit so that the necessary adjustments can be made and compliance demonstrated.

Use biocides safely. Always read the labels and product information first before use

The Coolplex Concept

- Packaged control system
- Automatic control
- Easy installation
- Simple Safe & Reliable
- No chemical handling

Benefits

- Legionella Control
- Corrosion Control
- Scale Control
- Process Protection
- Fouling control
- Reduced down-time
- Safety
- Economy & efficiency
- 24/7 control

Superior Bromine Control

