

CLEARPOINTSM BIOFILM DETECTION & CONTROL

The only comprehensive safeguard against microbiological activity and biofilm in industrial water systems



- **Equipment** — The earliest, most accurate biofilm detection with the OnGuard™ 3B analyzer
- **Chemistry** — A custom treatment program designed for your system and dosed in precise amounts
- **Service** — Our microbiological control experts provide analysis and recommendations for a complete solution

ClearPointSM Biofilm Detection & Control Program

To operate water systems efficiently, industrial plants need to control organic fouling in heat exchangers, pipes and process equipment. When waterside surfaces of heat exchangers and cooling tower fill are affected by sessile biological fouling (biofilm), the plant can experience decreased heat transfer efficiency, reduced productivity and increased maintenance costs.



Equipment



Chemistry



Support

Technology Overview

ClearPoint biofilm detection & control program is a one-of-a-kind microbiological control solution for industrial water systems.

This novel program brings together advanced monitoring equipment, proprietary chemistry and expert service to provide a comprehensive safeguard against microbiological activity and biofilm.

While the chemistry and service components play a pivotal role in the success of the ClearPoint program, the equipment component is what truly differentiates the technology. The OnGuard 3B analyzer is a new-to-the-world device and is only available as part of the ClearPoint program. This device employs an advanced ultrasonic probe to detect biofilm growth in water systems earlier than any other commercially available technology.

When the OnGuard 3B detects levels exceeding predetermined thresholds, it triggers an optimized microbial treatment. That

means you'll get the right chemistries at the right time and at the right amounts.

Solenis offers a full portfolio of advanced chemical treatments for controlling microbiological activity and biofilm, including oxidizing biocides, non-oxidizing biocides, chlorine stabilizers and organic dispersants. These industry-leading chemistries not only control microbiological growth in industrial water systems but also disrupt and destroy insulating and corrosive biofilms.

Our service and support bring it all together. Our Solenis experts will analyze your industrial water biofilm conditions and will recommend a comprehensive control program. In addition, the OnGuard 3B analyzer provides online, real-time monitoring with advanced reporting and customized dashboards, including fouling factor trending, comparative analysis, biofilm thickness trending and optimized biocide dosing.

Features and Benefits

FEATURE	BENEFIT
Biofilm detection via ultrasonic probe <i>("Pulsed" ultrasonic signal measures time for signal to return)</i>	<ul style="list-style-type: none"> • Accurate detection of temperature change • Direct thickness measurement • Signal characteristics distinguish between soft organic fouling and hard scale
Broad-spectrum biocides, chlorine stabilizers and organic dispersants	Optimized chemical treatment programs <ul style="list-style-type: none"> • Reduced water consumption • Reduced energy use • Prolonged asset life • Improved facility productivity
3rd party validation	Independent confirmation of results and instrument precision
Easy integration with OnGuard TM OnLine data management service	24/7 secure cloud-based access to your dashboard. Access to online biofilm control, trending and microbiological lab data

The Solenis Difference

The OnGuard 3B analyzer measures the onset of biofilm, enabling response and corrective action before heat transfer loss or equipment damage occurs. Most importantly, ClearPoint is backed by a team of dedicated and knowledgeable sales professionals that ensure the maximum benefits for your operation.

More Information

To learn more, contact your technical sales representative or visit us online.

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