

OnGuard™ AF Control System

Performance based monitoring system to control foaming level in wastewater applications



Solenis' OnGuard portfolio encompasses a variety of technologies designed to provide monitoring and surveillance of your water treatment or process applications. OnGuard AF is the latest addition to this family designed to provide actual measurement and control of foaming in your wastewater operations.

Technology Overview

The OnGuard AF control system is a unique, patented system designed to provide automatic feed response to foaming levels in wastewater applications based upon user prescribed set points.

Common Applications

OnGuard™ AF is commonly used in paper-mill applications where there are foaming tendencies. These include ditches, primary clarifier inlet or discharge, cooling towers, bio-reactors, aerated stabilization basins, final effluent flumes, and anaerobic digesters. In general industry it may be used to control defoamer feed in most process tanks and applications.



Features and Benefits

FEATURE	BENEFIT
Patented optical technology	<ul style="list-style-type: none">• Accurate real-time foam measurement
Fully automated, self contained, integrated OnGuard controller	<ul style="list-style-type: none">• Automated defoamer dosage control• Improved performance responsiveness• Optimized chemical usage• Reduced operator intervention• Consistent wastewater foam control and improved effluent performance
Simple installation, worry free operation, 24/7	<ul style="list-style-type: none">• No capital investment required• Reduced operation and maintenance costs



Installation Requirements

The system is insulated, heated and suitable for outdoor installation in remote locations. The sample discharge must flow back to a suitable collection area. Extreme cold may require a sheltered installation

The Solenis Difference

Other control technologies use surrogate indicators such as conductivity, color or entrained air to feed defoamer. These technologies overlook the effect of surfactants and defoamer efficacy. OnGuard™ AF control system measures the actual foaming rate and efficacy of the defoamer in the water to efficiently meter defoamer use. Combined with Solenis' state-of-the-art foam control portfolio for wastewater, OnGuard AF sets a new standard of excellence in wastewater treatment.

More Information

For more information, please contact your local Solenis field representative or contact us online at solenis.com.

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