

VIVID Smart Controller for your Water Treatment Automation Needs

Reliable water treatment monitoring solutions



Unique system demand

The chemical demands of industrial water treatment systems are dynamic and variable. The operational issues encountered by power plants, refineries, steel mills, petrochemical and other heavy industrial plants not only vary in nature but also in the appropriate responses to system changes. To be truly effective, constant monitoring and adjustment is needed to control several critical variables at multiple control points.

Baker Hughes has developed the VIVID™ smart controller to help address these problems. This water treatment controller provides real-time monitoring for all crucial components of your cooling and boiler systems to help optimize process throughput, increase energy efficiency, minimize downtime, and reduce capital and maintenance costs.

Reliable, dependable, and versatile

We have improved the industry standard by enhancing the user interface, system hardware, and reporting capabilities. The inclusion of a fully functional touch screen has also increased the system's reliability, improving the user interface experience when reviewing live data and eliminating nuisance communication lock ups.

The VIVID smart controller's continuous monitoring capabilities provide automated program optimizations, confirming everything is operating smoothly with minimal human interaction. It detects signs of corrosion, scaling, and other bacterial issues and responds before problems develop, saving you time and money.

Applications

- Cooling systems
- Boiler systems

Features and benefits

- Continuous system monitoring with remote data access
 - Enables fast response to system upsets
 - Provides automated control for improved program costs
 - Increases plant operational savings
 - Optimizes chemical treatment programs
- Enhanced reporting capabilities
 - Ability to export data directly from controller unit
 - Increased onsite data storage capabilities
- Intuitive touchscreen interface
 - Easy-to-use system
 - Customizable display to reflect customer's system
- Upgraded system hardware
 - Ability to run additional programs on site
 - Provides additional training resources
 - Improved system reliability

Our scaling and corrosion control programs are based on chemical testing impervious to interferences from hydrocarbons common in industrial systems, giving you optimum control over any operational challenge. These programs are specifically designed to meet your system needs, and create a customized chemical treatment program that optimizes performance.

The VIVID smart controller provides enhanced reporting features, reducing the need for daily

manual readings. It monitors the high, low, and average data points of various parameters, including your pH and conductivity readings. This data can help you make better operational decisions, by helping you evaluate the changes in your water treatment system or giving you more confidence in your environmental and regulatory reporting.

Our team of experts continually reviews the data to confirm your facility is operating at

its maximum performance. The controller's enriched technology and proven reliability give you a simple and effective, automated solution to energize your water treatment.

Contact your Baker Hughes representative or visit www.bakerhughes.com/VIVIDcontroller to learn how the VIVID smart controller can enhance savings and increase the efficiency of your plant operations.

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