Baker Hughes

VIVID smart water treatment controller

Maximize operational efficiencies and maintain reliable utility systems with automated water treatment solutions

Applications

- Cooling systems
- Boiler systems
- Waste water

Benefits

- Respond quickly to upsets, optimize treatment programs, and reduce operational costs with continuous monitoring capabilities

- Enable real-time notifications to operators via direct communication to facility control systems

- Control critical treatment parameters using next-generation probes and analyzers

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 water treatment controller** to help address these problems. This water treatment controller provides real-time monitoring for all crucial components of your cooling, boiler, and waste water systems to help optimize process throughput, increase energy efficiency, minimize downtime, and reduce capital and maintenance costs.

Reliable, dependable, and versatile

The VIVID smart water treatment 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.

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.

Additionally, the new online VIVID smart probe feature can continuously monitor the level of **DemandTrac™ dispersant** in the system allowing you to accurately read and automatically control the desired amount of chemical.

The VIVID smart water treatment 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 to learn how the VIVID smart water treatment controller can enhance savings and increase the efficiency of your plant operations.

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