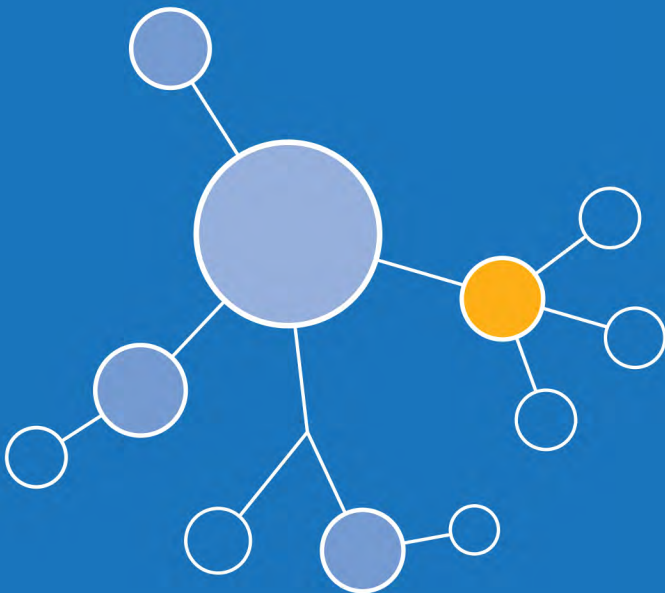


Phigenics Potable Water Analytics (PWA) System



Ensure all the water in your facility is safe and used efficiently

The Phigenics Potable Water Analytics (PWA) System provides independent validation and verification of your potable water systems to ensure the desired water quality is consistently maintained as defined in your Water Management Program.

**Several PWA packages have
been designed to meet the
unique needs of your facility.**



Secure Internet



Online Customer
Web Portal

Independent Validation and Verification

Water safety and sustainability metrics should be validated and verified independently by experts who do not sell hazard control chemicals or devices. Phigenics provides this independence with the PWA system. The PWA system monitors critical water quality parameters for all facility water systems. This includes free or total chlorine residuals, temperature, pressure, pH and conductivity. The PWA system can also control supplemental addition of chlorine. Water flow monitoring solutions, and other water quality monitoring sensors can be integrated with your PWA system.

Simplified Solution for Turn-Key Installation

The PWA is a fully integrated system that is panel or skid mounted with pre-wired and pre-plumbed configurations enabling turn-key installations.

Engineered for Performance

The PWA comes in four distinct standardized systems to meet a range of application requirements, from simple to advanced. Custom systems are also available. Phigenics will work with you to deliver an engineered solution that meets your site specific needs.

Securely Access and Analyze All Sensor Data with Any Internet Connected Device

- Every PWA system is factory configured to be “phiReady”.
- This means all PWA sensor data is automatically logged and archived in a Phigenics cloud-based software platform called phiMetrics.
- With phiMetrics, authorized personnel can access and analyze PWA sensor data, and manage automatic alert notifications, in a secure manner from any Internet connected device.





The Phigenics PDX and CLX Are Standard with All PWA Systems

PWA Base Monitoring System



pH, Temperature, Conductivity, Pressure and ORP Are Available as Options.

PDX – Phigenics Diagnostic Exchange

- Enables the PWA system to be phiReady.
- Automatically collects and logs data at user selected intervals.
- Logs device data, date/time stamps and stores in non-volatile memory.
- Stores interval data locally until the next scheduled upload.
- Supports a Modbus interface plus eight additional analog or pulse input signals.
- The system can receive data from up to 32 additional sensor systems which support Modbus.
- Transports data to Phigenics servers over a Cellular or Ethernet Wide Area Network (WAN).
- Logs data in real-time to phiMetrics where it is stored safely and securely.

CLX – Phigenics Continuous Chlorine Residual Monitor

- Measures free residual oxidant (FRO) or total residual oxidant (TRO) using the EPA accepted DPD colorimetric test method for measuring chlorine.
- Measures chlorine residuals at configurable frequencies as short as 110 seconds.
- Supports water sample temperatures directly up to 131° F, and up to 150° F using a sample cooler.
- Complies with US EPA regulation 40 CFR 140.74, Standard Method 4500-CLG, and US EPA Method 334.0 "Determination of Residual Chlorine in Drinking Water Using an Online Chlorine Analyzer.
- Supports a Modbus interface.

The PWA is a fully integrated system that is panel or skid mounted with pre-wired and pre-plumbed configurations enabling turn-key installations.



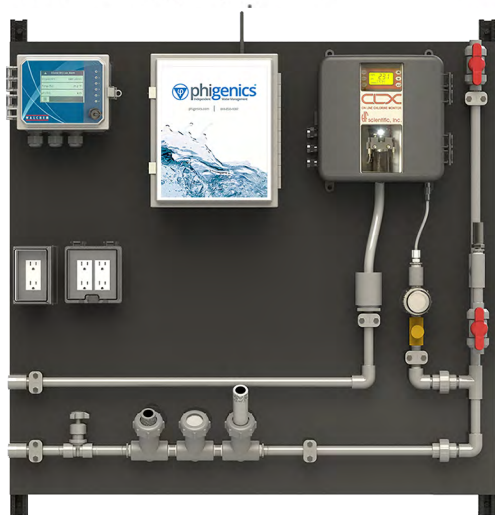
Three Additional Standardized Designs Are Available

PWA Base Secondary Disinfection System



Base Monitor + ORP-based feed/control of disinfectant

*PWA Advanced Monitoring System**



Base Monitor + pH, Temperature, Pressure and Conductivity

*PWA Advanced Secondary Disinfection System**



Base Monitor + pH, Temperature, Pressure, Conductivity and ORP-based feed/control of disinfectant

*Complies with potable water quality monitoring parameters of the 2014 Veterans Health Administration Directive: Prevention of Healthcare-Associated *Legionella* Disease and Scald Injury from Potable Water Distribution Systems (1061, 8/13/14).

phiMetrics provides affordable, secure, web-based access to the right information when you need it.



Summary of PWA Monitoring, Control & Alerting Features

System	FRO or TRO	pH	Temperature	Conductivity	Pressure	ORP Feed/Control System	phiMetrics
PWA Base Monitoring System	X						X
PWA Base Secondary Disinfection System	X					X	X
PWA Advanced Monitoring System	X	X	X	X	X		X
PWA Advanced Secondary Disinfection System	X	X	X	X	X	X	X

Key Applications

- Monitor water quality on the main line entering your facility.
- Monitor water quality at strategic locations within your potable water plumbing system, such as recirculating hot water loops, cold water service lines, and decorative fountains.
- Control the addition of supplemental disinfection where required.

Benefits

- Continuous on-line verification that water in your facility is safe and being used efficiently.
- Instant alerts if conditions vary from critical control limits.
- Specialized monitoring and control technology to ensure effective potable water disinfection.
- State-of-the-art data management for defensibility of your water management program.

“Many facility managers assume the water in their building is safe. This assumption is often dead wrong.”

— William F. McCoy,
Chief Technology Officer and Founder of Phigenics



Phigenics Analytics Software



phiMetrics is the commercial name for Phigenics Analytics Software. phiMetrics provides

affordable, secure, web-based access to the right information when you need it. Securely access all of your essential water management information with a simple web browser.

- Drive proactive and predictive management of key water systems.
- Receive alert notifications when systems are outside of specification.
- Warehouse and access laboratory reports, regulatory compliance reports, HACCP plans and water management program documents in one convenient, backed-up location.
- Compare the performance of systems, facilities and vendors with graphical representations of trends.
- Analyze water management metrics for individual systems or in the aggregate across multiple systems, facilities or vendors.
- Manually input any measurement or data element.
- Automatically monitor sensor and meter readings in analog, digital, pulse or ModBus data formats.
- Packaged secondary disinfection monitoring and reporting systems.
- Simple integration with facility data logging systems.
- Data exportable to MS Excel.

Phigenics is a pioneer in preventing disease and injury caused by bacteria and other hazards in building water, and improving financial performance of organizations that process and use water. We provide independent expert guidance to individuals responsible for facility management, infection prevention, sustainability and environmental, health and safety. Our services focus on verification and validation of water system performance to protect capital assets, reduce operating expenses, and ensure legally defensible best practices.

Phigenics • Independent Water Management

Call us today at 844.850.4087 or visit: www.phigenics.com

Phigenics, LLC

35701 West Avenue, Suite 100

Warrenville, IL 60555