

PHIGENICS WATER ANALYTICS (PWA) SYSTEM



Empowered by
 **phiAnalytics**[®]

Collaboration | Documentation | Verification | Validation

Potable Water | Non-Potable Water



The Phigenics PDX and CLX Are Standard with All PWA Systems



PWA Base Monitoring System

pH, Temperature, Conductivity, Pressure and ORP Are Available

PDX – Phigenics Diagnostic Exchange

- 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 phiAnalytics™ where it is stored safely and securely

CLX – Phigenics Continuous Chlorine Residual Monitor

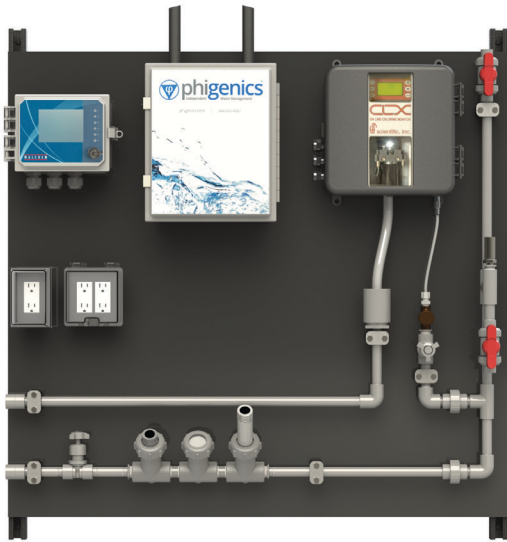
- Measures free residual oxidant (FRO) or total residual oxidant (TRO) using the EPA accepted DPD colorimetric test method for measuring chlorine
- Measures chlorine residuals at configurable frequencies as short as 110 seconds
- Supports water sample temperatures directly up to 131° F, and up to 150° F using a sample cooler
- Aligns 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:

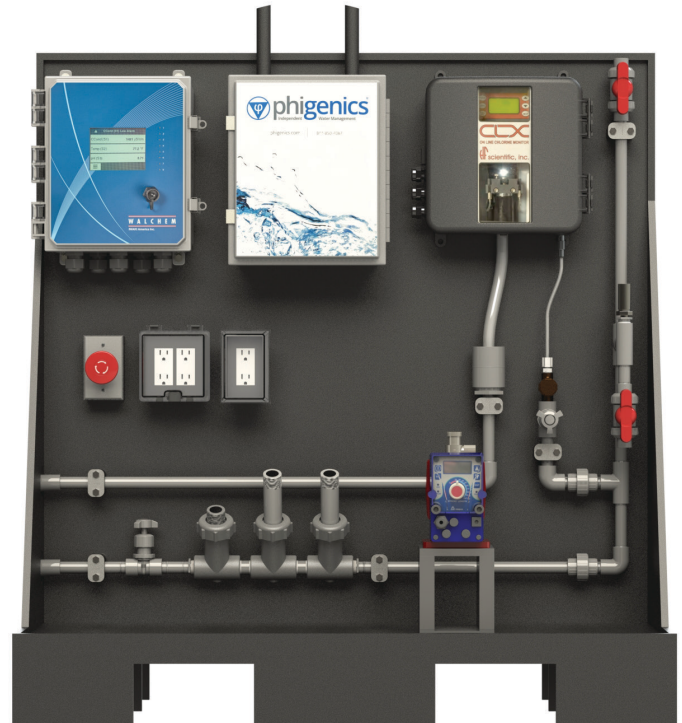
PWA Advanced Monitoring System*

Base Monitor + pH, Temperature, Pressure and Conductivity



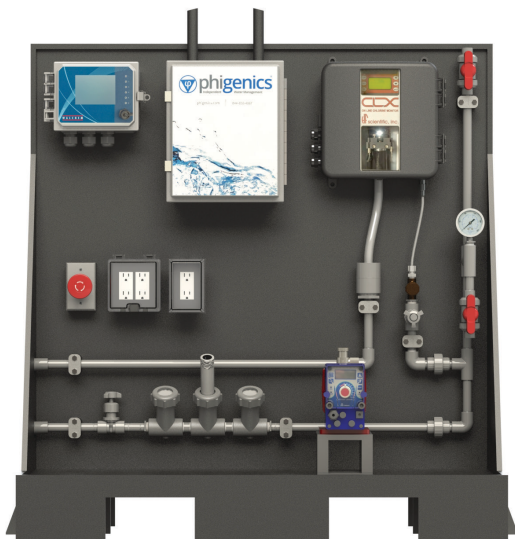
PWA Advanced Supplemental Disinfection System*

Base Monitor + pH, Temperature, Pressure, Conductivity and ORP-based feed/control of disinfectant
Configurations available for: recirculating hot water loops & building incoming cold water (flow-based feed/control of disinfectant)



PWA Base Supplemental Disinfection System*

Base Monitor + ORP-based feed/control of disinfectant
Configurations available for: recirculating hot water loops & building incoming cold water (flow-based feed/control of disinfectant)



*Complies with potable water quality monitoring parameters of the 2014 Veterans Health Administration Directive 1061: Prevention of Healthcare Associated *Legionella* Disease and Scald Injury from Potable Water Distribution Systems

*phiAnalytics v provides affordable,
secure, cloud-based access to the right
information when you need it.*



Phigenics Analytics Software



phiAnalytics™ is the commercial name for Phigenics Analytics Software. phiAnalytics™ provides affordable, secure, cloud-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 elements
- Automatically monitor sensor and meter readings in analog, digital, pulse or ModBus data formats
- Packaged supplemental 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, health and safety. Our services focus on verification and validation, water system performance to protect capital assets, reduce operating expenses, and ensure legally defensible best practices.