

Specific Features

- Process flowrate of 5gpm to 500gpm
- Automated pH adjustment using CO₂ gas or liquid acid/base solutions
- Real-time influent and effluent pH monitoring
- Mobile, rugged and purpose-built cabinet housing
- Configured for flow-through or external process use



Options Available

- System status, data logging and alerts with email notification
- EagleEye web portal for remote status and site management
- PhatBox PLUS option includes chemical dosing capabilities for additional treatment chemistry
- Internal voltage options
- Containerized unit



MANUFACTURING STANDARDS

Compliant with the Washington State Department of Ecology BMP C252
UL508 electrical certification
CSA/CE available



MOBILIZATION & OPERATION

Easy setup and minimal maintenance
Fully automated for 24x7 operations
Field support available
Simple 110V power connection



OPERATING RANGES

pH: 0 – 14 s.u.
Target Contaminants: pH
PhatBox PLUS option also targets:
Total Suspended Solids, Heavy Metals and Emulsified Oils (Please inquire for additional contaminants)

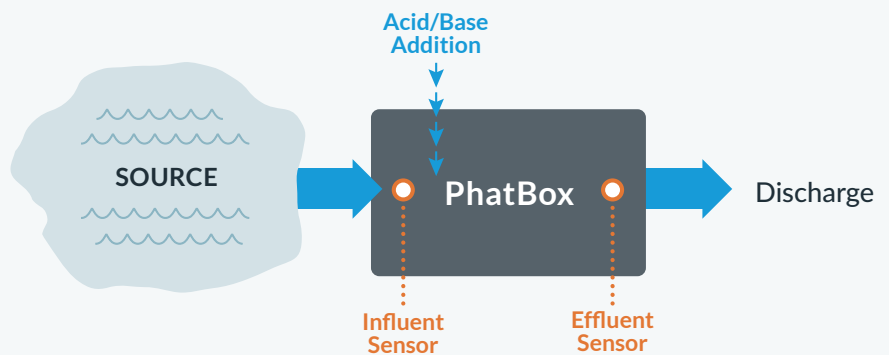
The PhatBox is a pre-engineered, packaged water treatment system for automated pH adjustment.



The PhatBox allows for in-line pH adjustment or remote location pH adjustment. Real-time pH monitoring and data recording provide users with important water quality logs. This turnkey system centralizes all required treatment components in a single cabinet, significantly reducing installation time and providing safe housing for sensitive digital probes and PLC controllers. The PhatBox system has been used on construction, remediation, and industrial sites across the United States and Canada.

FLOW-THROUGH CONFIGURATION

The PhatBox pH probes and injection point are mounted to the system's internal plumbing. Water enters the PhatBox and passes by the influent pH probe. If the influent pH reading is outside of the desired range, a pH adjustment acid/base solution is injected into the passing stream and is rapidly blended through a static mixer. The effluent pH probe analyzes the treated water prior to discharge to ensure that the pH has been adjusted to the desired range and records the results on the system data logger.



EXTERNAL PROCESS CONFIGURATION

The PhatBox pH probes and injection point are mounted externally to the source pond, tank, or vault. Water in the source structure is analyzed by the influent pH probe. If the influent pH reading is outside of the desired range, a pH adjustment acid/base solution is injected and allowed to mix in the source structure. The effluent pH probe analyzes the treated water in the source structure to ensure that the pH has been adjusted to the desired range and records the results on the system data logger.

