

# CHLORINE DIOXIDE GENERATOR

## 3-CHEMICAL PROCESS MODEL APS-3X

- High Efficiency
- High Capacity
- Touch Screen Interface
- Industrial Design
- Compact Frame
- Efficient Conversion
- Electronic Controls
- Built-in Safety
- Built-in Booster Pump
- Precise Rotameter Design
- High capacity 2M gallons
- Built-in Process Monitoring
- Built-in Data Recording
- Automatic Data Reporting
- Internet Connectivity
- Built-in Alarm Notification
- Alarm by Email and Text
- Data Management by ePulse®



Unique design of this 3-chemical chlorine dioxide generator mixes an acid, sodium hypochlorite and sodium chlorite to form a very high efficiency reaction to produce a high conversion ratio of aqueous chlorine dioxide solution. The proprietary education technique along with precise dosing and rotameter regulation, allows consistent and reliable production of chlorine dioxide solution within seconds.

A water source with a booster pump provides consistent water pressure, and is connected to the inlet of the generator, which is regulated and controlled by a PLC control system. An ultrasonic level sensor measures the level of chlorine dioxide solution in the batch tank. When it reaches the low level set point, it automatically turns on the generator and pump, and allows water to flow in to the system. A high efficiency education method mixes the three chemicals in a controlled sequence in to the water, and rapidly produces aqueous chlorine dioxide solution.

When the batch tank reaches the high set point level, it automatically shuts off the water and stops production. Built-in overflow protection and other unique safety features make this a suitable generator for treatment of water systems up to 5,000,000 gallons per day of water use in a variety of applications.



Model APS-3X-150: Fully automated generator control system with touch screen operator interface, built-in process monitoring and control, data recording and reporting, networking and remote process management.

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