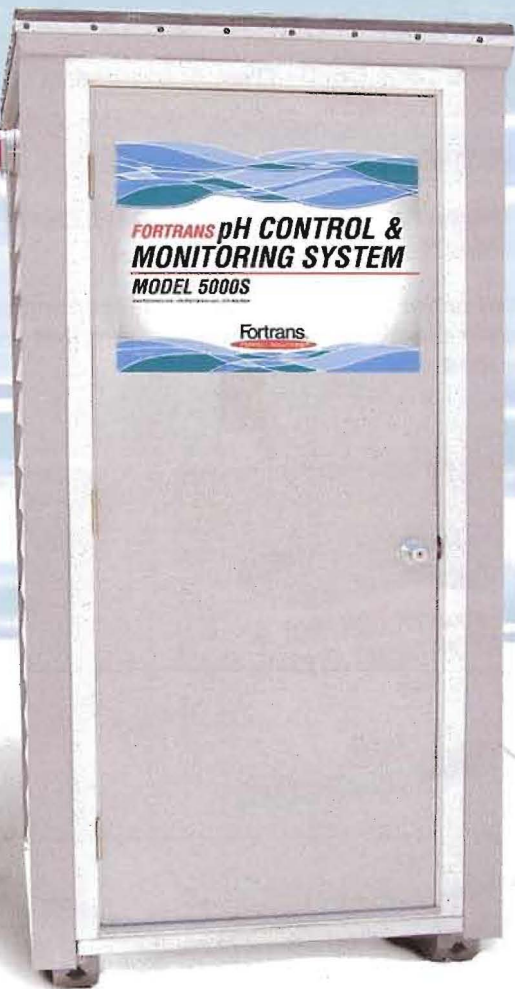


All systems come standard with Fortrans' 12 year track record of quality manufacturing and commitment to our customers. A complete installation, operation and maintenance manual is provided with each system. Factory support for installation, operation and maintenance is also available.



#### Model 5000S Portable Building Enclosure

The Fortrans system is installed in a portable utility building enclosure, 4 feet wide, 4 feet deep and 8 feet high. The Model 5000S is equipped with a steel access door with lockset, as well as lighting and a shelf. The Model 5000S is also built on a Trex® skid with Coex® flooring for durability and maximum water resistance. Supplied with an exterior GFCI outlet for the pump connection, and exterior cam lock quick-connect fittings for inlet and discharge hoses. Model 5000S is suited for exterior installation at a facility where the detention basins are in a remote location, or where equipment security may be of concern.

Shipping weight 650 lbs. Class 200 freight.

#### Fortrans pH System Benefits

- **Optimize process and storm water treatment** to comply with federal and local regulations. Reduce or eliminate costs of storing or off-site disposal of excess process water.
- **Operational Cost Savings.** Fortrans pH control systems are exceptionally efficient, with 60% to 70% typical operational expense savings over acid-based pH adjustment systems. The Fortrans system reduces total suspended solids to EPA standards of less than 30 mg/ liter without additional chemicals or filters.
- **Maintenance Cost Savings.** An elegant design allows Fortrans pH control systems to operate automatically, 24 hours a day. Routine maintenance is simple and easy.
- **Safety.** Fortrans pH control systems use carbon dioxide in lieu of hazardous acids. Employees will not need protective equipment or safety training for handling hazardous acids used in other pH control methods.
- **Proven Reliability.** Fortrans pH control systems, with our exclusive in-line CO2 injection and diffusion technology provides a proven pH control solution, with hundreds of installations currently operating throughout the United States.
- **Performance.** Fortrans guarantees their systems will perform to their customers, satisfaction, and we back this with a 60 day purchase price refund offer. (Less Shipping)

#### Options And Accessories Available Please visit us on line or call....



fortransinc.com  
info@fortransinc.com  
919.365.8004  
1.866.958.7267

M-F 8:30am - 5:30pm EST

7400 Siemens Rd., Suite B  
PO Box 40  
Wendell N.C. 27591

## Fortrans Process Water Management pH CONTROL SYSTEMS

### All standard Fortrans pH Control Systems include:

- The Fortrans exclusive in-line carbon dioxide diffusion and injection system (patent pending) adjusts the pH of process water and/or storm water automatically, on an as-needed basis. This carbon dioxide pH adjustment system is driven by a programmable logic controller that achieves, and then automatically maintains a target range (usually pH 7.5 to pH 8.0), for water stored in your detention basin. Target pH range is adjustable. Includes pH measurement cell, and fully automated operation. Highly reliable, and exceptionally economical to operate.
- High efficiency stainless steel submersible pump with stainless steel impeller, thermally protected continuous-duty motor, and float assembly to protect against run-dry condition. The standard system pump yields approximately 70,000 gallons per day from a typical 12 to 15 foot deep detention basin, and has capacity to pump from basins or pits 20 feet and more in depth.
- High quality pump boom, 2 feet high, with 30" boom reach, including a manual winch.
- 1.5-inch pump connection and 1.5-inch discharge hoses (25 feet each) with cam lock quick connect fittings for quick and easy set-up.
- Electronic flow rate meter to indicate that the system is operating within a normal flow range, or to indicate that maintenance cleaning of the pump inlet, or the system hoses, is required.
- Factory installed industrial-duty surge suppressor to protect the system electronics.
- Red light fixture to warn that the system pH has exceeded the alarm set-point. Provides automatic alarm indication that CO2 supply is exhausted, and your tank requires filling.
- A system enclosure that is best suited to your facilities needs.

- Feature an exclusive in-line carbon dioxide diffusion and injection system to precisely adjust the pH of process water in detention basins.
- Reduce or Eliminate Cost of Storing or Disposal of Excess Process Water
- Safer and Less Costly Than Acid Based Treatment Systems
- Simple Design for Low Maintenance
- Use Treated Water for Recycling-Dust Control-Irrigation-Truck Washing
- Treated water meets pH and Total Suspended Solids limits for discharge or return to municipal waste water systems



### Model 5000B Compact Metal Enclosure

The Fortrans system is installed in a heavy gauge all aluminum enclosure with a sloped top. The piano hinged top and swing away doors allow for easy access to all system components. The Model 5000B is constructed on a Trex® skid with Coex® flooring for durability and maximum water resistance. Supplied with an exterior GFCI outlet for the pump connection, exterior cam lock quick-connect fittings for inlet and discharge, and grommeted enclosure penetration for CO2 supply hose. Light in weight, yet heavy-duty, the Model 5000B is ideal for exterior installation within a secured facility. Shipping weight 290 lbs. Class 55 freight.

**Fortrans**  
PERFECT SOLUTIONS