

# WaterPAK

Pre-Engineered Water & Waste  
Treatment Control Solutions

*Reduced Installation & Startup Costs*

*Increased Equipment Life*

*Improved Operations & Process Quality*

*Reduced Energy Usage*

- Available for Aeration/DO, Pump Control & Filter Control
- Highly Modular for Staged Implementation
- No programming required
- Easy to operate & maintain
- Pre-engineered for fast setup
- Integrates with plant-wide systems
- Easily integrated with plantwide systems
- Local control & operation for continuous availability



**MicroMod Automation's WaterPAK Series** of controllers for water and wastewater treatment are specifically designed to save you time and money.

WaterPAK controls are ready-to-use, with pre-loaded, field-proven control strategies. A few simple setup screens guide you through the entry of basic information such as ranges, spans and engineering units, and WaterPAK does the rest.

With high-visibility, easy-to-read screens, WaterPAK controllers provide the information operators need to run the plant efficiently. Maintenance displays provide I/O and field equipment status. Application-specific documentation and common spares help reduce maintenance costs.

Designed to be affordable to plants processing under 7 MGD, WaterPAK can also benefit larger plants looking to expand or improve their controls in steps or on a maintenance budget. From a single aeration basin, pump station or filter bed to multiple units joined in a plant wide system, WaterPAK can be installed in easy increments, providing local operations and control with the connectivity of a distributed system.

### AeroPAK

Dissolved oxygen control for one or two aeration basins with up to two blowers each. Aeration is the highest consumer of electricity in a treatment plant. Automatic control of DO can save as much as 20% by providing continuous air adjustment. Choose from DO only, or a flow-paced strategy that anticipates DO requirements based on influent flow. An automatic lead/lag function ensures constant aeration and reduces equipment wear. Provides information on blower run times and cycles for preventive maintenance.

### PumpPAK

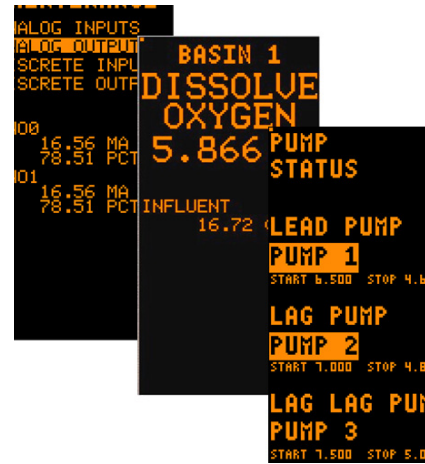
Designed for wet wells, lift stations or anywhere pumps are used. Provides level or pressure control for up to 3 centrifugal or 2 variable speed pumps with lead/lag program to prevent uneven equipment wear. Indication of pump runtime and cycle counts and I/O status is provided for maintenance.

### FilterPAK

Minimize energy and water consumption by initiating automatic backwash based on head loss, turbidity, or filter run time. Includes surface wash and air scour, and Rate of Flow control to ensure rated capacity is not exceeded. For use with VFDs or motorized valves.

### The security of local operation and control.

With WaterPAK you always have a window to your process and dedicated control even if your operator panel or SCADA system goes down. Individual microprocessors ensure continued operation and bright, easy-to-read displays provide more information than a few flashing lights.



### The power of centralized operation and information management.

Use WaterPAK as standalone controllers or in combination with HMI software for operation, trending, alarms and reports. WaterPAK controllers can also interface with an existing PLC system.

