



INTEGRATED PUMP AND PIVOT CONTROL

Advanced, user-friendly controls designed to maximize labor, water, and energy savings.

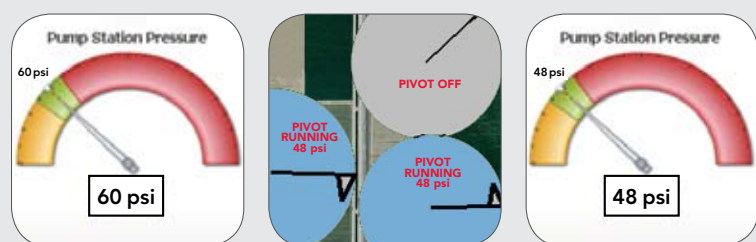
FieldNET by Lindsay integrates the entire water delivery system from the well or surface water source to the center pivots. It allows the industry-leading pumping solutions by Watertronics and Zimmatic center pivots to work together to automatically monitor and control the system to achieve maximum efficiency.

While using FieldNET you get complete monitoring with a view of every pivot, including position, and current operation. FieldNET also provides detailed pump operation such as pump(s) status, pressures, flows, and any relevant alerts. FieldNET can optionally measure power usage for logs and trending charts to provide tracking of energy efficiency.



FieldNET integrates your entire water delivery system, allowing you to automatically monitor and control your pumps online, or through your smartphone with FieldNET Mobile. This innovative solution boosts efficiency, saving energy, labor and water.

DYNAMIC DEMAND CONTROL (DDC)



1. Three pivots are running, with one of the pivots requiring water pressure of 60 psi.
2. The pivot operating at 60 psi is now off. The remaining two pivots require water pressure of only 48 psi.
3. FieldNET and DDC automatically adjusts the pump station pressure to the lower pressure required.

BENEFITS OF FIELDNET:

- FieldNET's remote monitoring and control features can save up to 75% of the time and fuel need to manually check operations.
- Dynamic Demand Control (DDC) lets you group pivots with pump stations and change lower pressure set-points, when applicable, to lower energy costs
- Monitor and chart water usage, and creating trending graphs for pump cycles, pressures, flows, and water levels
- Map view provide an overview of your entire operation on a single screen
- Pump station pressure is adjusted automatically to match demand
- Automatically sense line breaks or leaks (via flow disparity alarm) to alert and shut down the pump station
- Pump load balancing improves ROI by extending system life and reducing operating costs



Expert service you can depend on – no matter where you farm

WATERTRONICS TRAINED PROFESSIONALS

At Watertronics®, we recognize the need for factory-trained and certified technicians available to provide service where you farm.

We've built relationships with more than 200 independent Service Partners throughout the country and internationally. The resulting network is a valuable resource to pumping system owners, ensuring convenient local service you can depend on 24 hours a day.

WORLDWIDE PUMP SERVICE NETWORK

Our Pump Service Network (PSN) Service Partners employ



technicians with extensive training and experience servicing agricultural pumping systems.

They specialize in servicing pumps, motors, controls, valves, filtration, chemical injection and telemetry. Beyond Watertronics

pumping systems, PSN Service Partners provide service and parts sales to any customer, regardless of their pump station's age, configuration or brand.

Through our PSN Service Partners, we support more than 6,000 pump stations in operation throughout the world.

CERTIFIED EXPERTS

As a UL508 facility, Watertronics provides UL-rated controls that can meet IEEE 519 standards, for harmonic control. Watertronics builds to NFPA 70® National Electric® code standards..

For more information on how Watertronics pumping solutions can benefit your operation, or to find a regional sales manager in your area, visit www.watertronics.com



1-800-356-6686 • www.watertronics.com
INT'L (+1) 262-367-5000

Lean, Clean and Green. Lindsay Corporation is committed to developing environmental awareness and implementing sustainable practices to reduce the use of and protect energy, water, and all other resources.



© 2011 Lindsay. All rights reserved. Watertronics and FieldNET are registered trademarks of the Lindsay Corporation. NFPA 70® and National Electric Code® are registered trademarks of NFPA.

WA PRODUCT BRO 2011-8



AGRICULTURAL PUMP STATIONS AND CONTROLS



INNOVATIVE PUMPING SOLUTIONS FOR MORE EFFICIENT IRRIGATION

SAVE WATER | SAVE POWER | SAVE TIME

TRUE EFFICIENCY STARTS WITH ADVANCED WATER MANAGEMENT

Growers looking to save water and increase profitability now have a solution.

Watertronics' fully integrated pumping systems and advanced control technology can be used with virtually any kind of irrigation system, including:

- Center pivot and lateral move
- Drip irrigation
- Wheel roll and hose reel
- Flood irrigation
- Process/wastewater

Whether you have a large corporate operation or a small family farm, Watertronics can design and build pumping systems that save you water, power and time. By improving efficiency and reliability, you can expect lower utility bills and reduced down time.

Watertronics, a Lindsay company, is a worldwide leader in innovative pumping

solutions for agriculture. We offer turnkey systems that provide reliable water delivery from source to sprinkler.

SAVE WATER

A pump station shouldn't fit every farm it should fit your farm. Our expert engineers will fine tune your pump station to deliver exactly what your site and irrigation system demand. Advanced automation packages will provide precise pressure regulation and consistent flow, making over-watering a thing of the past.

SAVE POWER

Irrigation efficiency begins with precise pump control. Utilizing our advanced Variable Frequency Drive (VFD) technology or our patented Electronic Butterfly Valve (EBV) controls, your

Watertronics pumping systems provides precise pressure regulation and flow control throughout each irrigation cycle. Our control systems ensure that your pump minimizes power consumption while maximizing yield.

SAVE TIME

Your time is money. Imagine not having to go to your pump station for startup or shutdown, and having the ability to receive system status updates in the palm of your hand. All this and more is available when you add FieldNET® with Pump Control wireless irrigation management to your pump station. Our proprietary remote monitoring software allows you to manage your irrigation system from any Web-enabled device.



CHOOSE YOUR OPTIONS

VERTICAL TURBINE (VT) PUMP SYSTEMS

Ideal for pumping from reservoirs, rivers and wells, the VT system can meet virtually any pressure and flow requirement regardless of water lift or depth. Engineered for continuous duty in challenging environments, the VT is reliable, rugged, and long-lasting. Pre-packaged and factory tested, your pump station arrives ready for quick installation and startup. With proven reliability and pumping efficiency, the VT offers a cost-effective solution and can be fully customized to meet your needs.



BLACKMAX SUBMERSIBLE PUMP SYSTEMS

BlackMAX is the only patented High Density Polyethylene (HDPE) submerged pump system for irrigation. Available in single- or multi-pump configurations. BlackMax can either float or rest on the reservoir bottom, does not require wet wells or intake structures, and offers completely silent operation.



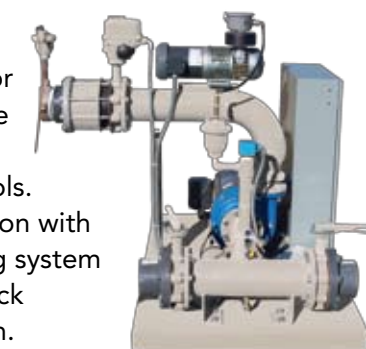
HORIZONTAL CENTRIFUGAL (HC) PUMP SYSTEMS

Ideal for surface water or booster applications, the versatile HC pump systems can be designed in single or multi-pump configurations. HC stations are economical and offer an easy-to-service pump design. Fully factory-tested and ready for installation, you can count on the HC to be user-friendly from delivery to daily use.



SINGLE PUMP HC

Ideal for water transfer or pressurized irrigation, we offer a basic pump-on-a-skid with simple controls. This low-cost pump station with optional vacuum-priming system is pre-configured for quick shipment and installation.



CHOOSE YOUR PUMP CONTROLS

Watertronics can help you get the most performance from your new or existing pump station by customizing your options.

RETROFIT CONTROLS

If you want to make your existing pumps work smarter, upgrade with a Watertronics retrofit control panel. Able to control up to 13 pumps plus injection and filtration equipment, our control solutions can optimize your existing pumping system at a fraction of the cost of new equipment.

VARIABLE FREQUENCY DRIVE



Variable Frequency Drive (VFD) control technology automatically adjusts pump speed to match your irrigation system demand. Compared to fixed-speed pump control, highly-efficient VFD technology delivers precise pressure regulation, extending the life of your system by eliminating line surges and water hammer. Case studies have shown that adding a VFD to a typical pump station can reduce energy costs by up to 25% and often qualify for local utility rebates.

ELECTRONIC BUTTERFLY VALVE

Watertronics' patented EBV system can be used in conjunction with a VFD or individually for standalone pump regulation. The EBV eliminates damaging hydraulic surges, reduces wear and tear on your system, and provides a redundant backup to the VFD to protect your valuable investments.



FREE ON-SITE ANALYSIS

Consult with a Watertronics pump professional to evaluate your existing system and determine which pump station is right for you. We offer free site visits and analysis upon request. Talk to your dealer today.

COMPREHENSIVE SOLUTIONS FOR LARGER OPERATIONS

Watertronics provides complete systems for farm operations with multiple pumping locations. Professionally engineered and factory tested, our large-scale integrated systems utilize dynamic sequencing pump control, providing consistent water delivery and energy savings.



Watertronics certifies the performance of your pump station by completely "live" testing every pump station, ensuring that your product will perform exactly as promised.