



WATERONE™

CONTROL UNDER PRESSURE



SELECT
ENERGY SERVICES



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**AUTOMATED
PUMP TECHNOLOGY**

Select's Automated Pumps represent the cutting-edge in water transfer innovation and design. Through automation and intelligent algorithms, our pumps can autonomously and safely oversee and control entire operations.



OVERVIEW

Select Energy Services' Automated Pumps were designed with the oil and gas industry's water management needs in mind. Our WaterONE™ Automated Pump technology streamlines the monitoring and control of water transfer for fracturing and treatment operations. Each pump is equipped with multiple sensors and automated valves as well as an on-board PLC for local control via proprietary programming. Sensitive operations moving produced water will benefit from automated pressure balancing, flow-rate optimization, and spill prevention measures.

BENEFITS

WATERONE™ AUTOMATION

Process control algorithms provide true pump automation, not remote control with human intervention. Any changes in the line will trigger WaterONE™ pumps to automatically adjust the throttle to maintain flow rates and line pressure.

DATA TO DECIDE

Informed decisions backed by WaterONE data help drive efficiency across the board—from overall resource management down to source water metering.

SPILL PREVENTION

Water pressure is automatically regulated and balanced to prevent a line burst. A sudden drop in pressure will immediately trigger the pump to throttle down and close valves, isolating the line segment to minimize a potential spill.

PUMP COMMUNICATION

Communication between pumps occurs in response to pressure and flow and digitally via job level SCADA control to direct the flow of the job as needed.

PRIMARY AND BOOSTER MODES

Our Automated Pumps operate in primary and booster modes. In primary mode, the pumps can maintain a prime with recirculation valves to quickly transfer from a source. Multiple pumps work in sequence in booster mode.

INCREASED SAFETY

Remote visibility and fuel sensors reduce travel required to keep multiple pumps in service. Less travel per job means reduced risk.

ALWAYS AVAILABLE AND VISIBLE

Solar-powered automation equipment provides remote visibility and operation, independent of pump power.

FEATURES

- Performs fully automated water transfer operations with minimal oversight
- Fuel and engine monitoring improve reliability
- On-board touchscreen PLC for local control
- Real-time visibility via AquaView® interface
- Sensors provide added check when used during treatment operations.
- Customizable alert protocol sends communications based on urgency

TECHNICAL SPECIFICATIONS

Working Pressure	Up to 300 psi
Power Requirement	Diesel Fuel / Solar
Flow Rate	Up to 130 bbl/min
Monitoring Capabilities	Inlet / Discharge Pressure Flow Rate Fuel Level RPM / Engine Diagnostics Temperature
Automated Modes	Automated Source Automated Booster Tank Fill Tank Empty Remote Control

READY TO SEE WHAT WE CAN DO FOR YOU?

To learn more about our WaterONE Automation services or request a quote, contact your Select Account Representative or visit selectenergyservices.com/contact/