



Flexible, User Configurable

Our VSI Series pump controller combines the operator interface, the system logic, and the field interface into a flexible product that is easily configured for individual applications using a touch sensitive screen. This product is used in applications involving lift stations, plant influent/effluent stations, high service pumps, and raw water pump stations. It is preconfigured for 2 to 6 pumps, provides alarm display for 3 alarm states, and has password protection for access to all setup parameters. You can also configure pump start/stop levels, speeds, and alternation modes from the touch screen.



We are a UL 508 and a UL 698A panel shop operating under UL certification E-88854. We adhere to National Electrical Manufacturer's Association (NEMA) standards and are approved for use in the European Community

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PLC Based

The Model 100DPLC duplex pump controller is a PLC-based system with a touch screen operator interface. It will handle two pumps, submersible or non-submersible, and is designed primarily for lift stations requiring FVNR, RVSS, or VFD motor starting. The easy-to-use interface allows the user to customize the installation via the operator friendly screens. The system provides a number of special control features, as well as providing outputs for pump fail, common alarm, alarm horn, and PLC failure.



In addition, our status as certified members of the Control System Integrators Association assures you that we adhere to standards of best practices in our industry, not just for design and production but also for how we conduct our business, from first contact to final billing.



Pump Controls



For All Pumping Applications

Municipal, Commercial, Industrial

Whatever your pumping application, we've probably encountered it, or something close to it, in our more than 20 years of experience satisfying customers with pump control systems. As an independent systems integrator, we're not locked into any single supplier, allowing us to custom design a system to provide you with the best cost-performance ratio available, delivering a system of excellent value.

We specialize in addressing those out of the ordinary, difficult applications that most other integrators can't, or won't, touch. Our motto is, "Special is Routine," and we've demonstrated that time and again.

All of our systems go through a sophisticated real-world simulation testing process to ensure hardware and software performance, minimizing the installation effort and expense. We also provide a comprehensive

documentation package with every system. This helps you sustain long-term maintainability of your system, maximizing the investment you make in it.

Inside, you'll find a few samples of the variety of applications and configurations we've addressed through the years. If you've got a pumping control system challenge, bring it to us. We thrive on them.





Variable Frequency Drive System

*Effluent Spray Field Duplex
200 hp Pump Control Package*

Fort Walton, Florida

This system was installed with a golf course sprinkler system using effluent from a local wastewater treatment plant. The package included an outdoor enclosure with insulation and air conditioning, plus bypass contactors.

Bubbler System

For 10 hp Pumps

Lake Grove, New York

This system of motor starters and breakers for 10 hp pumps is contained in a stainless steel, NEMA 4X enclosure. The system includes a mercury manometer switch gauge for setting pump levels and alarms, plus a bubbler system with internal low pressure air supply.



Special is Routine

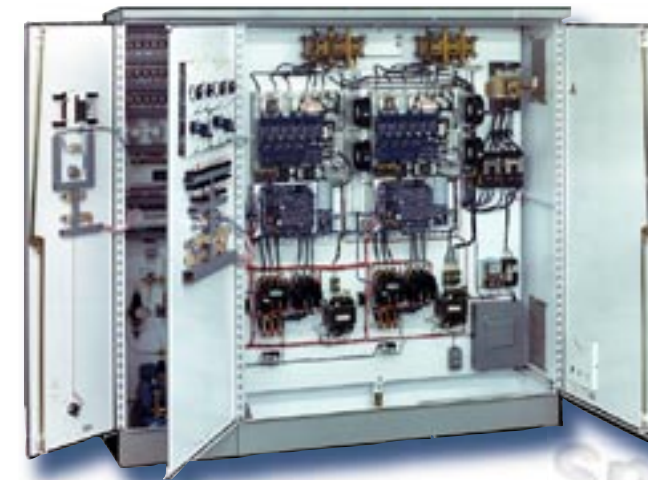
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Bubbler System

Triplex Pump Motor Control Center

Clarksville, Tennessee

This lineup shows the bubbler system mounted in with a motor control center. This bubbler system example includes compressors and the Allen-Bradley SLC 500 PLC with operator key pad for level and alarm set points. We can provide stand-alone bubbler systems to match your MCC or complete MCC lineups.



Variable Frequency Drive System

Duplex 40 hp & Electronic Bubbler System

Buncombe County, North Carolina

This installation includes a bubbler system with compressors, Modicon PLC, and bypass contactors. Instrumentation is mounted behind a viewing window to maintain door integrity while still providing operator access for system monitoring and control.

Special is Routine

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Float System

In NEMA 4 Enclosure

Hoover, Alabama

A standard setter for quality in pump controls, this system uses the highest quality components, NEMA starters, stainless steel enclosure, oil-tight operators, and plug-in relays. Indicators include "Run" pilot light, seal fail alarm lights, and high temperature alarms. It's also designed to facilitate ease of maintenance by virtually any level of personnel.

Special is Routine

Bubbler System

Lawrence & Peck Pump Stations

Long Island, New York

A stainless steel NEMA 4X enclosure houses redundant manometer switch gauges, float systems, and compressors. This system was part of a critical pump station with very large flows, requiring double redundancy in all critical subsystems.



Special is Routine