



**INTEGRINEX®**

Level Control Systems



*The Pump People®*

# Integrinex® Level Control Systems

Gorman-Rupp's team of electrical, mechanical, and hydraulic engineers works together throughout the development of every pumping system to ensure all components operate seamlessly and reliably to meet your specific system requirements. To provide the right level of control for every application, Gorman-Rupp offers three Integrinex® control panel options.

## INTEGRINEX® Starter Options

From simple on/off operation to advanced variable speed control, Gorman-Rupp control panels are available with multiple starter options to match your system requirements.

### Across-The-Line

This is the simplest and most economical starting method. The pump starts at full voltage and speed immediately upon startup. It's a reliable option for smaller systems or applications where power demand and mechanical stress aren't a concern.

### Soft Starter

Soft starters reduce the mechanical and electrical stress of startup by gradually ramping the motor up to full speed. This helps limit inrush current, reduce component wear, and provide smoother operation compared to across-the-line starting. It's

a strong middle-ground option for systems that need more control and longevity without the complexity of a full variable speed solution.

### Variable Frequency Drive (VFD)

VFDs offer the highest level of control by adjusting motor speed to match system demand in real time. Instead of simply turning the pump on and off, a VFD allows for precise flow control, improved energy efficiency, and reduced system stress. This makes it ideal for applications with fluctuating demand, where maintaining consistent performance and maximizing efficiency are priorities.

## Integrinex® Standard

Designed to provide dependable operation for wastewater pumping applications, the Integrinex® Standard Control System delivers the essential monitoring and control functions required to keep stations operating efficiently. Standard features include duplex and triplex pump alternation, configurable pump delays, level sensing capabilities and a variety of station alarms to help protect equipment and improve system reliability.

Available for lift station and submersible station applications, the Integrinex Standard system supports two- and three-pump

configurations and can be paired with Across-the-Line, Soft Starter or Variable Frequency Drive (VFD) motor starters to meet application requirements. The Integrinex Standard Controller features eleven optically isolated inputs, eight normally-open mechanical relay outputs and analog input capability for either 0-5 VDC or 4-20 mA instrumentation. Compatible level control options include radar sensors, air bubbler systems, pressure transducers and float switches. Controls are UL 508A listed and are available with the AutoStart package, which provides automatic standby engine start capability.



# Integrinex® Advanced and Remote View

Custom designed for applications requiring enhanced control and customization, the Integrinex® Advanced and Remote View Control Systems provide intelligent pump station management tailored to unique operating requirements and specifications. These systems can be engineered for lift stations, submersible stations and pressure booster systems, supporting any number of pumps and a variety of motor control configurations, including Across-the-Line, Soft Starter and Variable Frequency Drive (VFD) starters.

At the core of the system is a Programmable Logic Controller (PLC) that is programmed to the pump station to deliver a custom solution with advanced control and monitoring

capabilities. Integrinex Advanced systems are designed for long-term pump performance and station reliability.

When equipped with FloSmart® technology, the system can detect pump obstructions and automatically initiate a cleaning cycle until debris is cleared. Remote View systems provide the added convenience of remote monitoring and management through a secure tablet-based interface, allowing operators to access station information, alarms and operating data from virtually anywhere. Controls are UL 508A listed and feature a variety of station alarms and pump run contacts for comprehensive system monitoring.



## AutoStart

Automatically initiates standby engine operation during utility power interruptions. AutoStart controls are energy efficient, only operating the standby engine when a pumping cycle is required.

## Flow Control

Provides precise control of pump operation based on system flow requirements. Helps optimize efficiency, reduce energy consumption and maintain desired process conditions.

## Pump Priming Protection

Monitors operating conditions to help prevent damage caused by loss of prime. The system can respond to abnormal conditions before they impact pump performance or reliability.



**FloSmart**  
TECHNOLOGY

**Integrinex® Advanced and Integrinex® Remote View with FloSmart® technology is available in ReliaSource® stations.**

## FloSmart®

Detects pump obstructions and automatically initiates a cleaning cycle to help clear debris. This intelligent technology reduces manual intervention and helps maintain optimal pump performance.

## Speed References

Allows pump speed to be adjusted from external signals or programmed setpoints. Provides additional flexibility for matching pump performance to varying system demands.

## Pressure Control

Maintains system pressure within user-defined parameters by automatically adjusting pump operation to changing demand conditions. Ideal for pressure booster applications requiring consistent performance and reliable pressure management.

# After Sale Support

Gorman-Rupp products stand the test of time due to our quality manufacturing processes, rigorous product testing and extensive after sale support.

## Product Support

Every pump manufactured by Gorman-Rupp is supported with reference information. Pump operation and maintenance manuals (including parts lists), specification data sheets, performance curves and outline drawings in PDF and CAD formats are available on our website or through your distributor for every pump.

## Warranty

The warranties on Gorman-Rupp products are some of the best in the industry. Gorman-Rupp has you covered with warranties up to 60 months.

## Education & Safety

Gorman-Rupp is committed to remaining at the forefront of the industry with technology and safety. Training videos, demos and

in-person training sessions created for our distributors and end-users help to keep everyone up to date on the latest safety tips and pump maintenance.

## Parts

When you need a replacement part, you'll have it fast. Gorman-Rupp is fully committed to keeping your equipment running long after installation and ensuring your pump or lift station continues to meet your requirements year after year. We sell parts through our network of distributors. Find a distributor in your area for assistance.

## Service

Should your pump or lift station require service, our worldwide network of factory-trained distributors are ready to quickly respond. Our distributors have the expertise to support you and your pump or lift station long after installation.

## Manufacturing Facilities

**Gorman-Rupp USA**  
Mansfield, Ohio, USA

**Gorman-Rupp Canada**  
St. Thomas, Ontario, Canada

**Gorman-Rupp Europe**  
Waaardenburg, Netherlands  
Namur, Belgium

**Gorman-Rupp Africa**  
Cape Town, South Africa  
Durban, South Africa  
Johannesburg, South Africa (Headquarters)

## Distribution Center

Grand Prairie, Texas, USA

Engineering and manufacturing superiority has been the hallmark of Gorman-Rupp since our inception in 1933. Today we bring our products to life in some of the most efficient, modern and state-of-the-art manufacturing facilities in the world. Gorman-Rupp has a selection of nearly 3,000 pump models, and our world-class team of distributors has worked closely with thousands of end users around the world. We have the proven expertise and the resources to specify, manufacture, test and service your pump, and to ensure reliable performance for the long haul.

**GRPUMPS.COM**



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OEM Partner  
ROCKWELL AUTOMATION

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