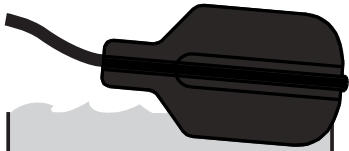


On the Level



Vol. IX Issue I
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SJE
Rhombus
www.sjrhombus.com

Switch to FLOATLESS

Affordable Floatless Technology from Your Switch Leader

In the past, continuous level sensing technology for wastewater/sewage applications has been expensive. Many systems use a submersible 4-20mA stainless steel pressure transducer, coupled with a controller, that can cost thousands of dollars.

SJE-Rhombus, the long-time trusted leader in float switch technology, has developed an **innovative, cost-effective solution** that makes continuous level sensing **affordable for every day applications** - the easy-to-install **C-Level™ sensor**.

This exciting new technology **senses and controls water levels without the use of traditional floats**. In fact, one C-Level™ sensor can take the place of up to four floats in a tank.



C-Level™ Sensor for Continuous Level Monitoring

How Does the Floatless C-Level™ Sensor Work?

The C-Level™ continuously senses pressure in a tank and converts it into a frequency signal that is read by one of many C-Level™ compatible products (see below). **Without any movement or tether**, the C-Level™ sensor is an excellent option for use in confined spaces and applications where grease is a problem. The C-Level™ is currently offered in a 39.9" (3.33 ft.) range with a 120" (10 ft.) version soon to follow.

SJE-Rhombus Introduces Many C-Level™ Compatible Products

SJE Level Monitor™ CL System - With a glance you can see the level in your tank! The new floatless level monitoring system is ideal for many different applications - water tanks, holding tanks, wastewater tanks and some chemical applications. The SJE Level Monitor™ CL utilizes the C-Level™ sensor to continuously monitor tank levels. It features an easy-to-read **scalable bar graph LED display that shows the current level in the tank as a percentage of a full tank** (i.e. like the gas gauge on an automobile).

The three-button keypad (test/silence; alarm level; and set buttons) on the SJE Level Monitor™ CL allows the user to conveniently **set the alarm level and configure the system with the press of a button**. As the liquid level reaches the installer-specified alarm set point, the audible alarm is activated. The alarm can be silenced using the test/silence button on the keypad.

continued on next page...

Floatless Technology *Continued from page 1*

The SJE Level Monitor™ CL comes standard with a built in audible and visual alarm; can be set for various tank sizes; fill or empty applications; and features auxiliary contacts for an external signaling device (i.e. auto dialer).

C-Con™ Converter Box - Do you have an existing control panel in the field you would like to convert from floats to floatless technology?

The C-Con™ converter box is the answer! The C-Con™ converts the signal from a C-Level™ sensor to activate **up to four level set points** (stop, start, alarm, and lag). Simply set and adjust these level set points by turning the **output dials** to desired level, **eliminating the need to go into the tank to manually adjust tether levels**. Installation is easy with **factory-installed** output and power wires.

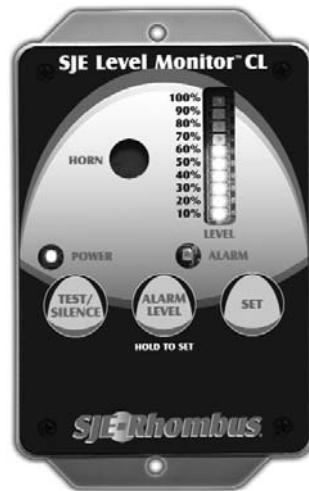
This system is an excellent alternative for areas imposing restrictions on mercury products, including California, Louisiana, Minnesota, Wisconsin, Illinois, New York, Vermont, New Hampshire, Maine, Massachusetts, Connecticut, and Rhode Island.

IFS C-Level™ Control Panels - Take pump control to the "next level" with Installer Friendly Series® control panels featuring the C-Level™ sensor!

IFS panels feature a **keypad and digital display** neatly mounted on a swing-out inner door for programming pump control. Having an interactive digital display allows the user to **view many events**, including pump cycle counters, time meters, alarm counters, float error counters, and more. By utilizing the C-Level™ sensor with the IFS panels, the keypad can be used to program the stop-start-alarm levels, which **eliminates mounting floats in the pump tank**. The keypad is also used to program timer settings for dosing applications. The digital display on the inner door of the panel has LED indicators for float status, pump run, and pump mode.

SJE-Rhombus uses the latest technology to make IFS panels **versatile and intelligent**. With the flip of a switch you can change configuration of the IFS panel to Demand Dose or Timed Dose mode, making it a **great solution to stock one panel for multiple applications or changing the panel at the site**. IFS panels with C-Level™ sensor option are available for simplex and duplex pumping systems in single phase and three phase power; capacitor start/run models; and data logging applications (IFS In-Site®).

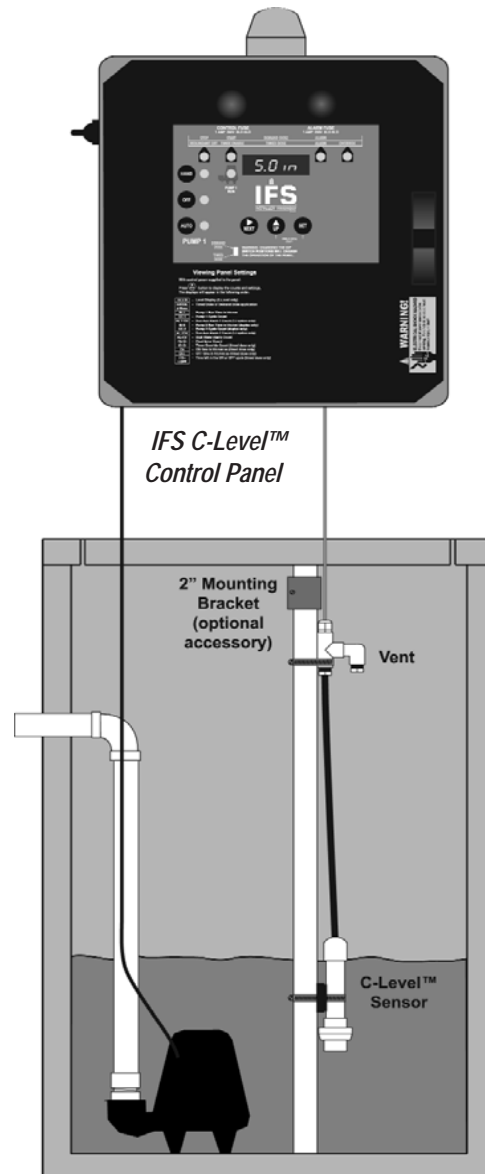
For more information, go to www.sjrhombus.com or call Customer Service toll free at **1-888-342-5753**.



*SJE Level Monitor™ CL
Displays Tank Level*



*C-Con™ Converter Box
For Control Panels*



Float tree not included.

SJE Introduces Ultra Nator™ System

Features Dual Receptacles for Easy Pump Connection

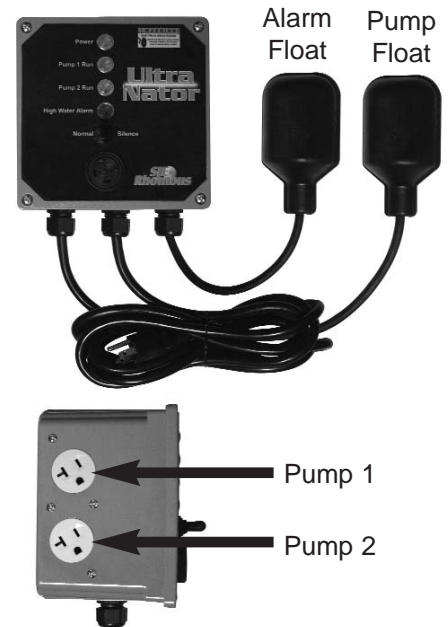
The new Ultra Nator™ control and alarm system is designed to control two 120V 1HP or 15 Amp pumps by **featuring two receptacles** for easy pump connections; **No Wiring!**

In normal operation, pumps alternate based on the pump switch level. If an **alarm condition** occurs (top float activates), the alarm light and horn turn on. The pump in use will turn off and the other pump will turn on. Pumping will continue until the pump switch deactivates (bottom float). The Ultra Nator™ will only run **one pump** at a time. The alternating pump action equalizes pump wear. **Angled receptacles** accept standard or right-angled pump plugs.

The Ultra Nator™ system includes **factory-installed pump activation and alarm activation switches** for easy installation, with various switch configurations available. **UL/cUL Listed.**

Ultra Nator™ Features:

- NEMA 1 rated for indoor use
- Factory-installed 10 ft. power cord
- Green power on indicator
- Green pump run indicators (pump 1, 2)
- Audible and red indicator visual alarm
- Normal/silence alarm switch mounted externally for easy operation
- Three-year limited warranty



New CP3R Pre-Engineered VFD Panel

SJE-Rhombus Offers New Economical Option for Constant Pressure Control

SJE-Rhombus offers a new **economical option** for constant pressure control applications of **1.5, 3.0 or 5.0 HP**. The new CP3R VFD control panel combines a **factory-programmed variable frequency drive (VFD)** in a **NEMA 3R enclosure** for easy installation and operation.

This **pre-engineered simplex VFD** control panel is available for 208/230V pump applications up to 17 FLA and is suited for outdoor operation. It features **ventilation for VFD cooling** and includes one 0-100 PSI pressure transmitter. Features include PID control, run time, system shutdown input and is **UL/cUL 508A Listed.**



Customize Your VARIOspeed® VFD Panel

Parameters Pre-Programmed at Our Factory For Your Specific Application

The **VARIOspeed® variable frequency drive (VFD)** is designed for constant pressure control applications from 5 - 150 HP (208-240V) and 5 - 250 HP (380-480V).

As the flow and head conditions change in the pumping system, the VARIOspeed® VFD is able to **automatically control the pump speed and maintain a constant discharge pressure**. The desired set pressure is adjusted using the VFD keypad. The 0-200 PSI pressure transducer measures the pump discharge pressure.

Features include PID control, adjustable electronic overload, auto start on pressure drop (automatic), auto stop on no-flow (sleep mode), high and low pressure alarms, automatic system restart, 12 digital inputs, 3 analog inputs, 2 relay outputs, 2 analog outputs and Modbus RTU communication (RS-485). **UL/cUL Listed.**

SJE-Rhombus is a UL Listed panel shop where this drive can be customized to suit your specific requirements. For further details, please call 1-888-342-5753.





PO Box 1708
Detroit Lakes, MN 56502



Meet Jeff Osland

Customer Service Technician

Jeff Osland is our newest member to Customer Service. Jeff started at SJE-Rhombus last October as a Customer Service Representative serving our float/alarm customers. Jeff has recently accepted the position of Customer Service Technician for our standard control panel products.

Prior to SJE-Rhombus, Jeff lived in the Twin Cities working as a Manager for Kinko's Copy Center. He also comes to SJE-Rhombus with 8 years of experience working in the ethanol industry.

Just like Laura Ingalls Wilder, Jeff grew up in Walnut Grove, Minnesota (although not in a Little House on the Prairie). He graduated from SWSM, in Marshall, MN with a Business Administration degree. He moved to Detroit Lakes in the Fall of 2010 with his wife, Stacey, and their 11-year-old son, Matthew.

Outside of work, Jeff enjoys spending time with family and friends, especially if it includes time on the lake in a boat (summer) or fish house (winter). He is always looking for that next trophy fish, or at least a great fishing story about the one that got away! And in the fall you'll find him cheering on the MN Vikings. Welcome, Jeff!

UPCOMING TRADE SHOWS

June 9 - 10
AzOWRA Conference
Tucson, AZ

June 10 - 15
NFPA Conference
Boston, MA

June 12 - 16
AWWA Conference
Washington, DL

June 18 - 19
AEC Conference
Columbus, OH

July 30 - August 1
Well Drillers Jubilee
Myrtle Beach, SC

August 19 - 22
StormCon
Anaheim, CA



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