



Tech Tip

Pump Controller Types

Pump Controller come in three main types:

- VIZITouch V2 7 inch Color Touch Screen Operator Interface (HMI technology)
- Manufactured in accordance with the NFPA 20 standard, UL listed and FM Approved.
- Models range from 208 to 600 volt, 5 to 500 horsepower, 50 / 60 Hz
- Model GPY - Wye-Delta Open: The motor is disconnected from the line during the transition from start (wye) to run (delta) mode. Upon a start command, the motor is connected in a Wye connection. After a time delay, the motor is reconnected in a Delta configuration applying full voltage to the motor.
- Model GPW - Wye-Delta Closed: The power source does not « see » any open circuit during the transition from (start) wye to (run) Upon a start command, the motor is connected in a Wye connection. After a time delay, the motor is reconnected in a Delta configuration applying full voltage to the motor by a closed transition switching sequence.
- Model GPS - Soft Start Soft Stop: A multi-connection motor The GPS controller also features a soft motor stopping mode. A solid-state starter is utilized to supply a step-less ramp up voltage to the motor until the motor reaches its full speed. At that time, a fully horsepower rated by-pass contactor is energized connecting the motor directly to full voltage and eliminating all heat loss within the solid-state starter.
- Model GPA - Across-the-Line: Available with automatic power transfer switch Designed for use with electric motor driven fire pumps. Full voltage, across the line starting from a single motor contactor.



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ISS Acquires UL Approval on Bladder Tanks

Cairo, 10. April. 2018

ISS has been awarded Underwriters Laboratory approval on its new horizontal and

vertical range of foam bladder tanks. After much success in the

foam concentrates and firefighting pumps approval,

ISS has successfully passed and been awarded UL approval on the tank range

with many options of

either vertical or horizontal alignment,

complete with the inner bladder, the vertical

tanks range from 25 up to 3,000 Gal size and

the horizontal from 100 up to 4,000 Gal.



Now ISS is capable of providing a one stop shop for its clients with the entire foam stations Supplied from signal source.

Using our expertise, we are now able to provide a complete foam station on a pre-constructed skid that can be easily installed at site.

Simply the pressure and rating of the main system is provided and the entire station is built to suite the demand complete with intake valve, proportioner, sight glass hydraulic concentrate valve on a single easy to transport mounting skid. The skid can be then simply hooked unto the system and be up and operation is less than an hour.

Visit the UL certifications database online for more information : www.database.ul.com

Or

Visit our website: www.issystems.com





About ISS

Established in 1989 in Cairo, Egypt, ISS is the most experienced contractor, manufacturer and supplier of firefighting and fire protection equipment in the Middle East. Our products are found in some of the most complex systems around the region within building systems, industrial sites, off-shore drilling sites, marine, transportation, military, marine and industrial firefighting applications. ISS offers a full range of high-quality, UL-Listed and FM approved firefighting solutions. From applications requiring design through installation, service and support, ISS presents a one-stop-solution for its clients.

We manufacture;

- UL Listed bladder tankks
- UL/FM Fire pump packages
- Automatic sprinkkler system.
- Foam extinishing systems.
- CO2/FM200 systems.

ISS Wins El-Mohandes Project

With years of expertise in flammable materials protection, ISS was chosen to provide the fire protection contract for EL-Mohandes Coating and Solvents



factories. With highly flammable chemicals for pure solvents, wood and car finish paints and chemicals, it was ISS that can address such critical installation with its range of products and proven track-record of successful installations like Pachin, Kapci, Trust Chemicals and similar.

The contract included two systems covering the two main factories in Abo EL-Matameer and Janakles consisting of a complete UL-Listed firefighting pump set delivering 2500 GPM, multiple UL-Listed bladder tanks, AR-type foam concentrates, foam pourers, foam monitors, pre-action sprinkler system, water-cooling and very special deluge systems triggered explosion proof flame detection.

EL-Mohandes are one of Egypt's most renowned corporations for the manufacturing of chemicals in the country of Egypt with over employees and a very large operation that mandates the Egyptian Customs Authority to set aside 6,000 square meters of land at the Port of Alexandria to build up their shore tanks. With a clear understanding on the importance of safety, and being OSHAS certified, the management insisted on compliance to very bit of the code and did not grant any room for non-approved products. ISS succeed in meeting their demands by providing approved equipment from the very start of the system through a UL/FM pump package. Listed foam equipment and cooling nozzle.

ISS will be responsible for the design, procurement, supply, project management, commissioning and testing of the entire system. The core challenge is that these sites are already running, hence there will be complexity of retrofitting such critical installation in an operational environment. Within that in mind, ISS understand the critically of superior project management as proven before in many cases cross the country.

The system will cover thee solvent tanks via foam-chambers and a special open-nozzle cooling system, finished an draw material warehouse via ESFR pre-action foam system and a complete fire-loop connected to a 2500 GPM UL/FM fire pump package.

A UL/FM intelligent detection system shall be provided for complex scenario of all the deluge valves. Phase of the 1 of the project is due to complete by the end of 2018 and phase is to be awarded by Q3 of this years as well.