

# FE PETRO®

## WE SET THE STANDARD

Since hitting the market in 1988, FE Petro® brand submersible pumping systems have developed a reputation for setting the standard for quality, availability, service and innovation. Building on these key factors, we continue to set the bar even higher with technology and innovations available only from Franklin Fueling Systems.

### VARIABLE SPEED PUMPING

## HIGHER FLOW RATES, EFFICIENT OPERATION

Choosing variable speed submersible pumps (STPs) will help you meet your flow rate needs with faster fill times during peak hours and power savings during non-peak hours. FE Petro® brand variable speed STPs allow you to maximize profits and minimize operating expenses while protecting your site from accelerated wear.

- The MagVFC™ variable speed controller ramps the STP up and down as needed to provide optimal flow rates at fueling points. The result is faster flow rates, higher throughput, and a more consistent customer experience than fixed speed systems at virtually the same total cost of ownership.
- A variable speed system utilizes only the necessary pressure and power needed to meet demand. This drastically reduces the sudden pressure spikes, known as "Hydraulic Hammer", which result from a stoppage in flow in a pressurized piping system. Hydraulic hammer can result in accelerated system fatigue and intensified wear.

### TURBINE PUMP INTERFACE

## INTELLIGENT PUMPING

Run your business as efficient as possible by networking your FE Petro® submersible pumping system with an EVO® Series fuel management system. Add intelligence to your pumping system for additional performance capabilities.

Add Turbine Pump Interface (TPI) to your system and get:

- Remote access to STPs
- Response automation
- STP history reporting
- Pump in water prevention
- Clogged STP intake escalation
- Overfill protection/automation
- Primary/secondary pump management
- Adjusted pump priority (leveling on the fly)

### THE MAGSHELL®

## FILLING CARS FASTER

It's always been about filling cars faster. The patented Magshell® pump motor assembly (PMA) is designed to do just that. By expanding the pump motor shell, the Magshell® increases the area for product flow by 45%.

- The additional flow capability is equivalent to having one more nozzle operating during peak hours.
- Faster throughput during peak hours equates to greater fuel sales potential.
- Customers know which stations provide faster refueling.

### ALTERNATIVE FUELS

## FUEL COMPATIBILITY

As the demand for biofuels continues to grow, FE Petro® brand Alcohol-Gas (AG) optioned submersible turbine pumps are at the forefront of motor fuel compatibility. Service station customers demand it, make sure you can provide it.

- FE Petro® brand STPAG and IST models of STPs are currently the only STPs UL listed for use with gasoline up to 85% ethanol (E85) and diesel fuel with up to 20% biodiesel (B20) or 100% biodiesel according to UL79A and UL79B respectively.
- As biofuel use continues to grow, so does the potential for increased debris inside the storage tank. To stop this debris from entering the pumping system, use an FE Petro® brand Intake Filter Screen (IFS). When installed, an IFS adds only about 1" to the length of the PMA and provides filtration down to about the size of a grain of sand (0.009" openings).



INTAKE FILTER SCREEN

### ADVANCED PROTECTION

## ACCELERATED CORROSION PREVENTION

Available as an option on Alcohol-Gasoline (AG) compatible STPs, Advanced Protection defends pumps from accelerated corrosion caused by the acetic byproduct of microbial activity. Building on the AG construction for biofuel compatibility, the Advanced Protection option includes additional upgraded materials for a greater level of protection. Choose this added level of protection for installations where additional corrosion protection is needed including Ultra Low Sulfur Diesel applications, aboveground storage tanks, marinas, and aviation applications.

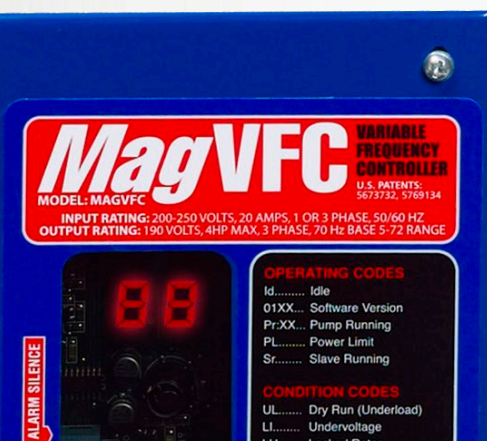
- Advanced Protection is a factory installed option on STPAG and IST biofuel compatible models.
- Specifically formulated powder-coated and E-coated finishes protect exterior cast surfaces from accelerated corrosion. Stainless steel fasteners, riser, variable length column pipe and coupler protect against corrosion and provide long service life.



ADVANCED PROTECTION STP

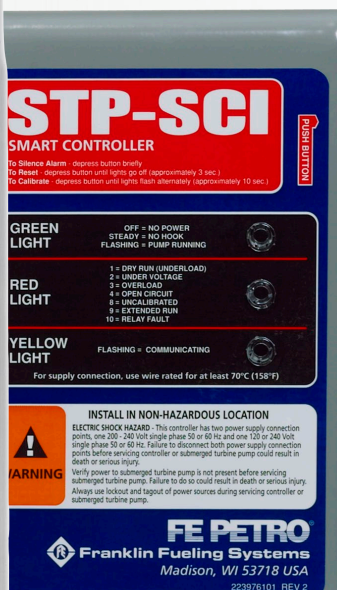
### POWERED BY FRANKLIN ELECTRIC

It has to be reliable. It has to be safe. It has to perform. That's why thousands of station owners around the world have trusted Franklin Electric motors to drive their STPs for more than four decades. And that's why with FE Petro®, you'll never get anything else.



**MagShell™**  
ALCOHOL GASOLINE  
UL APPROVED FOR  
0-85% ETHANOL

MAGSHELL PMA



SMART CONTROLLER