



# Advanced Pumping Solutions

Safe, efficient, reliable performance

## The Standard of Pressure Pumping Systems

The FE Petro brand pressure driven submersible pump system sets the standard for performance, efficiency and safety by which all other systems are measured. With a history of excellence dating back to the 1950s, the Franklin Electric motor powering these submersible pumps provides unparalleled system benefits.



Safe operation. Constant flow rates.  
The industry's unmatched fuel pumping leader.



## Variable Speed, Constant Flow

Customers expect quick and convenient refueling of their vehicle. Variable speed technology allows FE Petro STPs to provide constant product flow no matter how many customers are pumping at the same time. An automatic performance adjustment allows for the same consistent flow experience at every active nozzle.



## Variable Speed, Efficient Operation

Most of the world's markets and many large oil companies choose pressure driven submersible pumping systems because of the added benefits they bring to their business, including fast fuel delivery, reduced energy consumption and unmatched reliability.



### Variable Speed at a Glance

- Fast fueling during peak hours
- Energy savings during off-peak hours
- Constant flow for high volume retailers
- Various horsepower models to suit desired flow rates
- Efficient power consumption

### Safety Above All Else

It's hard to put a price on peace of mind. Franklin submersible pumping systems combine with INCON brand fuel management systems for state of the art leak detection and prevention. With advanced features like AutoLearn™ technology, potential leaks are identified and positive pump shut down initiated way before a drop of fuel can reach the soil.

With AutoLearn™ the fuel management system learns the exact characteristics of each product pipeline to provide unparalleled accuracy in leak detection.







### Total Cost of Ownership, Maintenance

Pressure driven systems are designed to work with less components and less moving parts which equates to simple servicing and reduced maintenance costs. Fuel lubrication and cooling of the motor as well as minimal mechanical system friction are just a few maintenance efficiencies offered by the system. A single tank top mounted pump also keeps dispenser cabinets clear of equipment.

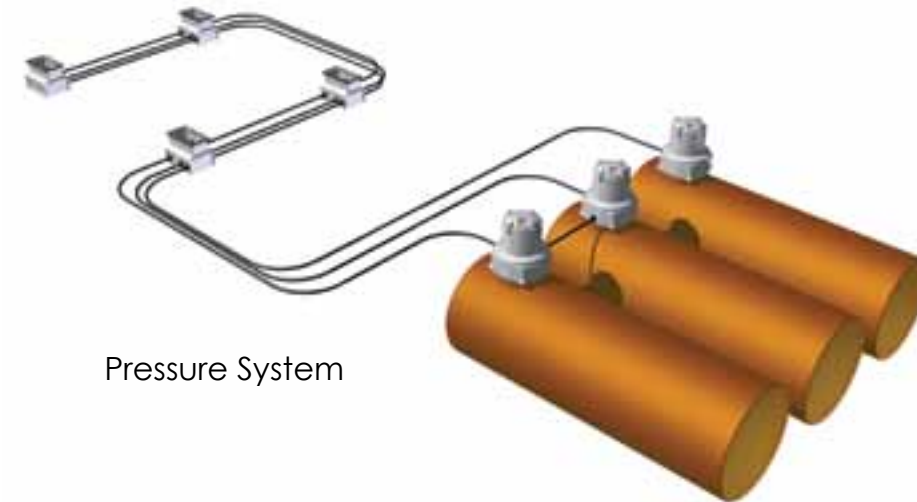
#### Pressure vs. Suction

Consider a normal station with four fuel grades and eight dispenser fueling positions (four nozzles per side):

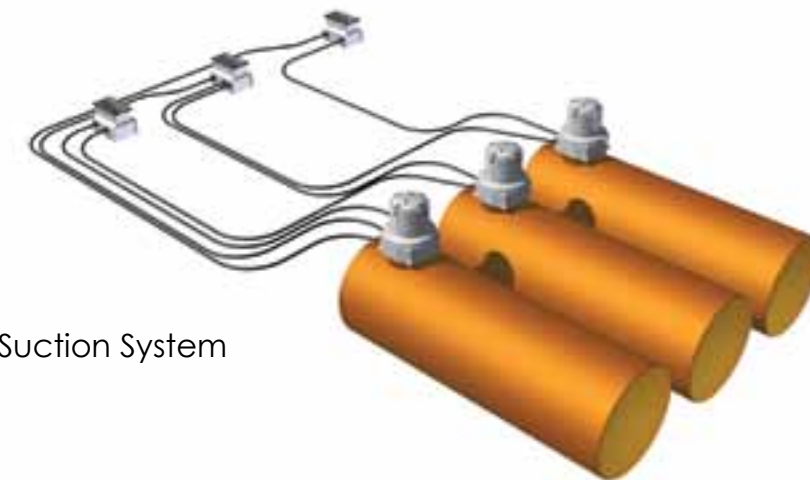
	Suction System	Pressure System
Pumps	16	4
Air eliminators	16	
Explosion proof motors	16	
Operating belts	16	
Total components	64	4

### Total Cost of Ownership, Material

From installation to operation, a pressure driven submersible pump system provides unmatched cost saving benefits when compared to a suction system. With a pressure system, a single submersible pump for each product line can supply an entire site with product through a loop pipework system – meaning less pipework and less material cost.



Pressure System



Suction System

A loop pipework system using either UPP or APT brand semi-rigid flexible pipe allows for a single pipe run through each dispenser while still providing maximum flow rates.



### TPI: Turbine Pump Interface at a Glance

- State of the art leak detection and prevention
- Accurate tank data
- Advanced fuel management capabilities
- Powerful rules engine for site automation
- Compliance and environmental data

### TPI: Turbine Pump Interface, Efficiency

Fuel management systems help an entire station run as efficiently as possible by networking a tank gauge to an intelligent submersible pump controller. TPI provides advanced fuel inventory management and tank overflow prevention features like Tank Leveling and Priority Mode.

### TPI: Turbine Pump Interface, Safety

Features such as water and dry run detection provide system alerts and can even be programmed to automatically shut down affected pumps, send an alarm to the station owner via text message and email a technician to investigate the issue.





## Franklin Fueling Systems

[franklinfueling.com](http://franklinfueling.com)

3760 Marsh Rd. • Madison, WI 53718, USA

Tel: +1 608 838 8786 • Fax: +1 608 838 6433

Tel: USA & Canada +1 800 225 9787 • Tel: UK +44 (0)1473 243300



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