

HIGHLIGHTS CONTINUED

MagVFC™ Variable Frequency Controller

Variable speed pumps are controlled by the MagVFC™ variable frequency controller which provides control for both 2 hp and 4 hp variable speed STPs. Features include:

- Faster fill times during peak hours and power savings during non-peak hours.
- Control is determined through the PMA power consumption, eliminating the need for a transducer or special wiring.
- Setup selections include 2 hp or 4 hp, MLD or PLLD, gas or diesel, and Master-Slave, alternating circuit manifolded pump control options.
- Capable of networking with INCON™ fuel management systems for enhanced pump control capabilities.

Diagnostic Fault Detection

The MagVFC™ variable frequency controller features a dual 7-segment display that displays running status and fault codes. A fault history on the controller also provides an enhanced troubleshooting process with faults like:

Fault Detection Display Codes

- UL** UL = Underload: Dry run or blocked PMA intake
- LI** LI = Low Incoming: Input power under voltage
- Lr** Lr = Locked Rotor: Overloaded while PMA is running
- LU** LU = Locked Up: Overload at PMA startup
- SC** SC = Short Circuit: Short typically from controller to PMA
- SU** SU = Shorted Upper: Short typically in controller
- OC** OC = Open Circuit: Broken connection to PMA
- Er** Er = Extended Run: No power change for 60 minutes
- HO** HO = Hot Operation: Excessive controller temp / fan protection

