

June 10, 2022

Bryan Estes
Project Manager
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Pekin, IL 61554

FE Petro branded Submersible Turbine Pump manufactured by Franklin Fueling Systems include product options of Alcohol-Grade (AG) and Advanced Protection (AP) that are currently UL listed for use with gasoline containing up to 85% ethanol content (up to and including E85), for use with diesel fuels containing up to 20% biodiesel content (up to and including B20), and for use with 100% biodiesel (B100) as defined by the applicable standards (UL79A & UL79B). The AG and AP product options are designated by FE Petro model numbers STPAG, STPAP, IST or ISTAP and these product options are currently only available within our 4" Submersible Turbine Pumps models.

Our standard FE Petro product offering (non-AG) is currently UL listed for use with gasoline containing up to 10% ethanol (up to and including E10) and for use with diesel fuels containing up to 5% biodiesel content (up to and including B5) as defined by the applicable standard (UL79). These standard products are designated by FE Petro model numbers STP and these products are available in our 4" Submersible Turbine Pumps as well as our High Capacity 6" Submersible Turbine Pumps.

All 4" and 6" FE Petro Submersible Turbine Pumps are also currently listed for use with Kerosene and Fuel Oil as defined by the applicable standard (UL79). All 4" and 6" FE Petro Submersible Turbine Pumps are designed only for use with motor fuels (excluding LPG/Autogas) in a non-gelled, pourable state with a maximum liquid viscosity of 70 SSU @ 60° F (15° C).

Beyond the above specifications, we believe that the specified Submersible Turbine Pumps will work satisfactorily with the following motor fuels:

- Current construction of Standard FE Petro 4" Submersible Turbine Pumps are compatible for use with gasoline containing up to 15% ethanol (up to and including E15).
- Current construction of AG and AP optioned FE Petro 4" Submersible Turbine Pumps are compatible for use with 100% motor fuel grade ethanol content (E100)
- Current construction of all 4" and 6" FE Petro Submersible Turbine Pumps are compatible for use with AvGas and Jet Fuels (AP option recommended for aviation fuel applications)

Although, beyond the UL listing for standard products, FE Petro 5HP and 3HP High Capacity 6" Submersible Turbine Pumps will perform satisfactorily within the warranty period in Diesel fuel containing 6% to 20% (B6-B20) and 97%-100% (B99-B100) and ASTM defined biodiesel.



When utilizing FE Petro Submersible Turbine Pumps beyond the UL listing associated with the product, working satisfactorily may include some issues due to long term exposure to these higher biofuel concentrations, such as increased maintenance of internal service-related items like check valves, etc.

Sincerely

A handwritten signature in blue ink, appearing to read "Loren Swalheim".

Loren Swalheim
Director, Global Technical Services
Franklin Fueling System