



Franklin Fueling Systems

Fueling Innovative Solutions

Subject: Use of FE Petro products with Alternative Fuels

Franklin Fueling Systems manufactures the FE Petro product line under two levels of compatibility with alcohol-gasoline blends. Our equipment is designed for motor fuels, and they are UL listed (UL File #MH6262 & #MH17450) for alcohol blend concentrations of:

Standard STP and PMA models:

0% - 15% ethanol or methanol with gasoline (including E10)
20% MTBE with 80% gasoline
20% ETBE with 80% gasoline
17% TAME with 83% gasoline

AG (alcohol-gasoline) models, including STPAG, PMAAG, IST, and MLD products:

0% - 15% ethanol or methanol with gasoline
20% MTBE with 80% gasoline
20% ETBE with 80% gasoline
17% TAME with 83% gasoline

Note: Although not UL listed, the AG models are compatible with 0%-100% ethanol or methanol with gasoline (including E85).

Note: Our STP and IST models can be used with product of a maximum liquid viscosity of 70 S.S.U. at 60° F. Our STP and IST models will operate between -40° C (-40° F) and + 40° C (+105° F) provided the fuels are in the non-gelled, pourable state. Other motor fuels that may be used with our STP and IST models are Diesel, Fuel Oil, Avgas, Jet Fuel, or Kerosene.

Note: Although there is currently no UL standard for our equipment with biodiesel blends, we recommend the use of our AG (alcohol-gasoline) models with these products, assuming the biodiesel is being produced per ASTM D 6751 and is being pumped within the above viscosity and temperature specifications. Although MLD products fall within the AG rating for alcohol blends, we cannot recommend the use of these products with biodiesel blends.

Warning: Using our STP or IST pumps in liquids other than those mentioned above have not been tested. The reaction of other liquids with seals and wetted surfaces of the pump is unknown. A hazardous situation may result from using other liquids with our pump.

Please refer to our Installation Manuals and Product Literature for complete installation, safety, product specifications to ensure proper product selection. Please contact Franklin Fueling Systems if you have any further questions.

Regards,
Mike McLaughlin
Franklin Fueling Systems
Technical Service Supervisor