

DAVCO FUEL PROCESSORS FOR BIODIESEL APPLICATIONS

BIODIESEL – WHAT IS IT?

100% Vegetable oil, typically soy or canola, which has undergone a transesterification process. In this process a methyl ester is added to the oil resulting in a chemical reaction that yields biodiesel and glycerin.

WHAT ARE THE ADVANTAGES?

- Potential tax rebates.
- Reduced emissions.
- Blends from 2% (B2) to 5% (B5) will have little or no impact on your equipment.
- Increased lubricity by blending B2 biodiesel. Blends higher than B2 will improve cetane and lower particulate matter emissions but slightly increase NOx emissions.
- May also aid in diesel particulate filter regeneration.

WHAT ARE THE DISADVANTAGES?

- Water separation issues above B30.
- Poor thermal and oxidative stability.
- Higher wax content and a higher Cold Filter Plug Point (CFPP).
- Short filter life for the first one to six months due to solvency of fuel resulting in fuel system cleansing.

THE SOLUTION

- The use of a DAVCO fuel water separator, 384 Fuel Pro® or 234 Diesel Pro® with EleMax® technology and Stratapore™ media is recommended.
- The addition of electric pre-heaters and fluid heaters to your Fuel Processor can reduce the risk of unexpected down time.
- Keep spare filters for the Fuel Processor with the equipment can reduce the need for a service call.



THE FUEL PRO & DIESEL PRO RECOMMENDATION

The fuels that are, and will be available in the market place, have the very characteristics requiring the best fuel water separator / filter / heater processor system. DAVCO has a complete line of Fuel Processors that can meet the needs of any piece of equipment, in any market, using any kind of fuel in a diesel engine.

Class 7 and 8 on-highway equipment running ULSD or B2 blends can use the currently available 382 Fuel Pro offered by all the major truck OEMs. For higher blends of biodiesel, the 384 Fuel Pro will provide the additional heat and water separation needed.

Mid-range applications should use the 232 & 233 Diesel Pro's for primarily diesel application and the 234 Diesel Pro for applications where biodiesel is used.