



Standard Products...Designed to Meet Your Growing Needs!

## **BIO-DIESEL DEMONSTRATOR**



Trailer comes complete with heating/air conditioning package and electrical power included in the system. Incorporated into the electrical system are (3) roof mounted solar panels. These panels can be used to keep the trailer battery fully charged and to operate the supplied DC dome lights. Other options are generator system to run heating/air conditioning and electrical power, recharge capability through direct plug of power source. Trailer includes a custom graphics and logos wrapping package applied to the exterior of trailer. The trailer also includes one curb side awning

door that raises up to allow for open classroom environment as well as two curb side access doors and one large transportation door/ramp in back for removing and moving in equipment. The trailer is equipped with a water supply package and drain package that allows easy and convenient use of the training equipment.



The Hampden **Model H-ETS-1A** Ethanol Production Process System is designed to facilitate the instruction of students on the process required to produce ethanol for experimental purposes. Ethanol is a very promising fuel alternative to oil since sources are widely available and ethanol is clean-burning. The student will be able to observe and control the process of producing

ethanol from corn, sugar, sorghum, fruits or several other sources. When using this unit along with the Model **H-6150-TT** Liquid-to-Liquid Extraction Demonstrator option, it is possible to produce ethanol with high purity.



The Hampden

Model H-6150-TT

Table Top Liquid-ToLiquid Extraction

Demonstrator
option has been
developed to permit

student study of the fundamentals of a small scale liquid-to-liquid extraction system. In addition to demonstrating the hydrodynamics of liquid-to-liquid extraction systems and interface control techniques, this unit can also be used to determine the mass transfer rates, heat transfer coefficients, extraction efficiency, and operating conditions.



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