



## R1000i Biodiesel Reactor



**The R1000i is a fully automatic Biodiesel Reactor - comprised of two parallel R500i reactors -that will produce *at spec* (ASTM or EN) Biodiesel at the following rates:**

|           |                                      |
|-----------|--------------------------------------|
| 1,000     | gallons per hour (3,790 Liters)      |
| 24,000    | gallons per day (90,960 Liters)      |
| 168,000   | gallons per week (636,720 Liters)    |
| 672,000   | gallons per month (2,546,880 Liters) |
| 8,160,000 | gallons per year (30,936,400 Liters) |

The above is based on a 340 day work year.

In order for the above amounts of fuel to be produced, certain requirements like total FFA levels no greater than 4% are to be used, proper programming of the automation computer, and sound operational procedures must be met and strictly adhered to.

### **Additional Specifications**

Methanol Recovery:  
Internal

Automation:  
Programmable Logic Controller

Heat Exchanger:  
Liquid

Glycerin Separation:  
Twin Stage Dwell and Bioseparators

Physical attributes:  
Reactor skid 12' X 4'

Finishing:  
Resin based Ion Exchange Columns

Electrical consumption:  
200Kwh

Warranty:  
1 year