



CENERGY®
Advanced Clean Energy Technologies

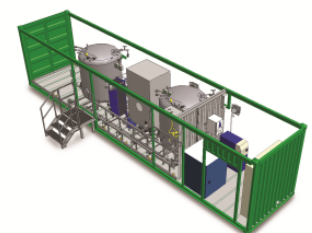
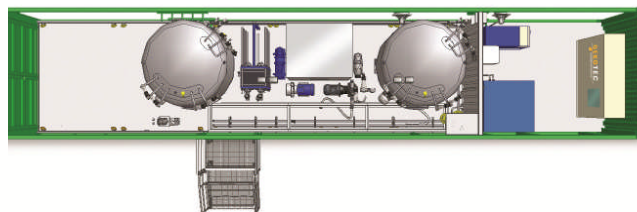
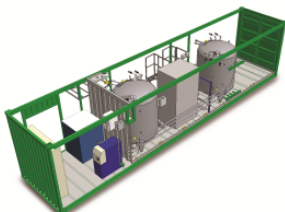


BIO DIESEL PRODUCTION PLANT DATA SHEET - **OEKO-TEC® BIODIESEL** TRANSESTERIFICATION PRODUCTION MODULE - TYPE 4000

We are committed to provide the most advanced, sound and proven biodiesel production technology, as well as professional product support services to all our customers in North-and South America. We are exclusively focusing on reliable, proven and complete biodiesel transesterification modules that are professionally engineered and manufactured. We supply a complete factory-designed and tested package. This approach provides our customers with superior performance, higher reliability, value for money, decreased operating expenses and increased return on investment.

Attention to detail, only the best quality components, extremely robust and wear-resistant technologies, optimized for high efficiency & flexibility, unmatched manufacturing quality to guarantee increased performance and genuine value for money.

- **Reliable & Efficient**
- **Extended Life Cycle**
- **Compact Standardized Design**
- **All-In-One**
- **Low Service & Maintenance Cost**
- **Fully Automated User Friendly**
- **Connection Ready**
- **Best In Class Technology**



2G**CENERGY®**
Advanced Clean Energy Technologies

MODULE	OEKO-TEC®	
Model Type	4000	
Capacity p. Year T	3,600 Tons	
Capacity p. Year L	4,089,600 Liter	
Capacity p. Year G	1,080,358 Gallon	
Process	Batch Process	
Feedstock Input	per 1000 kg	
Oil / Triglyceride	1,020 kg	1,121 L
Methanol or Ethanol	163 kg	205 L
Natrium Methylate	15 kg	
Water	100 kg	100 L
Output	per 1000 kg	
Crude Glycerol	130 kg	1,136 L
Water	180 kg	180 L
Biodiesel B100	1,000 kg	1,136 L
Feedstock Requirements	Basic Info	
Fatty Acids	< 3%	
Phosphorus Content	< 30mg/kg	
Water Content	< 0.2%	
Feed Pressure	3 bar	
System	Basic Info	
	System Frequency: 60Hz Voltage 110/480V El. Requirement 75 ekW	



Multiple Units can be operated synchronized in parallel, if higher Capacities are required.



Other Voltages are available. System can be operated both in 60Hz and 50Hz.
All Data according to full Load and Subject to Technical Development, Modification and Change.
Technical Data is based on minimum acceptable Feedstock Qualities as per Manufacturer Guidelines. Tolerances: +/- 5% Please contact us for more information.

2G**CENERGY®**
Advanced Clean Energy Technologies

CENERGY Power Systems Technologies Inc.
151 College Drive – 15, Orange Park, FL 32065 – USA
Tel.: +1-904-579-3217 and 579-3057, Fax: +1-904-406-8727
E-Mail: info@2g-cenergy.com Website: <http://www.2g-cenergy.com>