

# FuelMeister *II*™

## with Direct Catalyst Injection (Patent Pending) Personal Biodiesel Production System

**CARS • TRUCKS • GENERATORS • TRACTORS • FURNACES**

### Product Features:

- Sets up in minutes in 30" x 30" space
- Can make 80 gallons per day, 120 gallons with dual tank system
- ½ hr. hands-on time per 40 gal batch
- Supplies cost less than \$1 per gallon
- Exclusive 100% draining conical tank
- Modular design for easy expansion
- Direct Catalyst Injection
- Completely closed & fumeless
- Continuous water washing
- Solid-state pump timer/controller
- 2 digital scales for accurate lye measurements
- Quick disconnect hose fittings

### Biodiesel

Good for your wallet, your engine, the environment, the American economy, the American farmer, and bad for foreign oil interests.

With the FuelMeister *II* you get all the specialized equipment and accessories you need to start making biodiesel soon after you receive your equipment. All you need to add is vegetable oil, methanol, lye, electricity and tap water. The whole setup fits comfortably in the corner of your garage. And because it's a "closed" system you won't have to pour or stir any liquids. Digital scales are included so you can accurately measure your own lye. The FuelMeister *II* will turn even heavily used cooking oil into clean burning, low cost biodegradable and smooth-running biodiesel.



Single Tank System

### Biodiesel Advantages

- Less than \$1 per gallon to make
- Only 20% of the emissions of diesel
- Made from new or used vegetable oil
- Biodegradable and safe
- Can be used in diesel engines and some furnaces and water heaters
- Can be used alone or mixed with petroleum diesel
- Pleasant smelling exhaust
- Engines run smoother, last longer
- No diesel engine modifications



Typical set up for single tank system and user supplied drums.



Catalyst injection lid showing venturi real time mixing chamber on bottom side.



Adding lye into the catalyst injection lid.



Dual tank system with separate wash tank.

Includes the basic system plus a separate wash tank. Washing in a separate tank increases production still further. With this option, you can be washing a batch of diesel while making another batch in the processing tank. It also saves work as it is not necessary to dry the processor tank after washing. The shipping weight is approximately 260 lbs. including pallet.

## FuelMeister **II** SPECIFICATIONS:

Biodiesel Output	2 batches of 40 gallons washed biodiesel per day
Vegetable Oil Input	40 gallons for each 40 gallon batch of biodiesel
Methanol Input	8 gallons for each 40 gallon batch of biodiesel
Mix Turnover Rate	720 gallons per hour
Operator Time	1/2 hour per batch (typical)
Electric Pump	120VAC, 60Hz, 5.5 amps
Tank Material	Chemical grade medium density polyethylene
Tank Stand	Welded steel frame with anchor holes pre-drilled
Plumbing Materials	Chemical grade steel with steel/stainless ball valves
Processor Capacity	55 gallons (maximum)
Processor Size	62" high x 25" diameter
Shipping Weight	Approx. 125 lbs. plus pallet

\* Renewal Fuels has a policy of continuous product improvement and reserves the right to make changes to product designs and materials without notice so long as the product meets published specifications.

**COMPLETE AND EXPANDABLE SYSTEM:** The FuelMeister **II** comes with a user safety kit, oil titration test kit, high quality steel methanol pump, 2 digital scales and easy prime oil draw tube. Quick disconnect fittings allow future expansion and more convenient connection of your tanks. If you wish to increase your capacity, additional modular tanks, lids, and accessories can be added to your FuelMeister **II** platform. You can start making biodiesel soon after you receive your system. All you need is a barrel of used fryer oil, lye, a barrel of methanol, a barrel for your biodiesel, AC power and a water hose.

### Titration Kit



How 'used' is your waste fryer oil?

### User Safety Kit



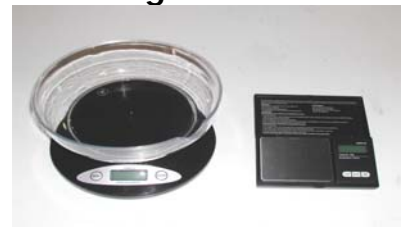
Always stay safe while making your biodiesel at home

### Methanol Pump



Chemical grade steel pump

### 2 Digital Scales



Accurately measure your lye

## SYSTEM INCLUDES:

- Step-by-Step Manual & DVD
- Processor Tank & Stand
- Water Wash Lid
- Catalyst Injection Lid
- Manual Alcohol Pump & Hose
- Electrical Pump and Controller
- Quick Disconnect Oil Drawtube
- 2 Digital Lye Scales
- Oil Titration Test Kit
- Mini-batch Kit
- Operator Safety Kit

Complete System  
Still Only \$2,995

**Sale thru 7/31/10 \$2,495**



*Also accepting checks by phone & PayPal*

## Options

**Dual Tank System:** Includes the basic system plus a separate wash tank. Washing in a separate tank increases production still further. With this option, you can be washing a batch of diesel while making another batch in the processing tank. It also saves work as it is not necessary to dry the processor tank after washing. \$3,890.

**Sale price thru 7/31/2010 \$3,395**

**Separate Wash Tank:** Purchased after and separately from the basic system. \$995.

**Oil Heater Kit:** If you live in a cold climate or wish to maximize production, you may wish to purchase an additional thermostatically controlled electric heater kit to preheat your vegetable oil. Heating the oil to approximately 120 degrees Fahrenheit dramatically speeds up the reaction time in the processor tank. 110 volts AC. \$345. Free shipping if ordered with your FuelMeister system. **FREE with FuelMeister purchased in July, 2010**

**Biodiesel Purification Systems:** Amberlite dry wash systems. BP-6 (40-80 gal/day) \$1,495. BP-12 (80-160 gal/day) \$1,895.

See flyer at [www.doctordiesel.com/DryWashFlyer.pdf](http://www.doctordiesel.com/DryWashFlyer.pdf)

**Biodiesel Fueling Station:** Filtered and measured biodiesel from a roll-around station. Everything you need except a 55 gallon drum. 12 volts DC. \$695.

**Oil Transfer Kit:** This is the easiest way to transfer cooking oil from pails, barrels and tubs into your 55 gallon oil collection barrel. 12 volts DC. \$345.

# Doctor Diesel

*Authorized FuelMeister Dealer*

(530) 524-5020

[www.doctordiesel.com](http://www.doctordiesel.com)

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