



## Product Features

- Fully contained complete mobile processing unit - makes 150 litres per day
- Oil suction from storage or tanks (no pouring required)
- Single air operated self priming ATEX approved pump for safety and reliability
- Internal heated tank with digital temperature control
- Stainless steel reactor vessel with inclined base enabling good separation and complete draining of moisture from oil and glycerine from biodiesel
- Vapour removal and methanol recovery system with air bubbler and condenser for safety and improved fuel quality.
- Methanol suction of 25 litre methanol cans, no pumping or flammable liquid transfer necessary
- Separate methylate introduction tank for improved reactions
- Purification vessel with 4kg amberlite bd19 resin for high quality fuel, long life and easy resin exchange.
- Simple intuitive control panel
- Metal components and nylon tubing for long life and reliability
- Large 150 litre capacity



Biodiesel is biodegradable, non-toxic and near carbon neutral. With increasing fuel duty and oil market prices, any individual or small business can help the environment and save money with the fuelpod<sup>®</sup>4.



## Product Description

The *fuelpod*<sup>®4</sup> produces 150 litres of high quality biodiesel every 24 hours. To produce 150 litres of biodiesel you need 150 litres of used or fresh vegetable plus 25 litres of methanol and we recommend a liquid methylate catalyst that can be purchased through Green Fuels Ltd. The approved unit heats, mixes, separates and purifies the biodiesel.

The unit uses safe external heating controlled by thermostat and an intrinsically safe Atex approved air pump and mechanical air timer. Biodiesel is pumped out to the vehicle or storage container using the internal air pump and dispensing nozzle. The glycerine produced as the by product is manually removed through the front main drain valve.

To find out more about the award winning *fuelpod*<sup>®4</sup> please call +44 (0) 1453 828003 or email [info@greenfuels.co.uk](mailto:info@greenfuels.co.uk)

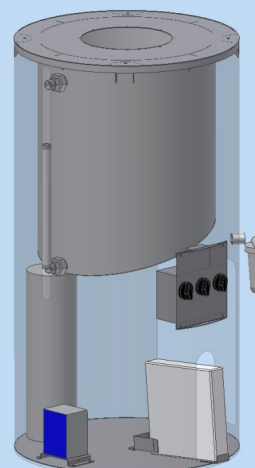


Items	Description
Type of machine	Biodiesel Processor
Function	Transesterification of vegetable oils to biodiesel
Compliance	Atex approved  
<b>Gross capacities</b>	
Processing tank	200 litres
Height	1,780 mm
Diameter	600 mm
Weight	150 kg
<b>Power requirement</b>	
Air	14 cfm
Electrical	230v13amp
Mixing process	Venturi recirculation
Max. operating temperature	60°C
Pump rate	20 litres per minute
Purification method	Ion-exchange
Discharge filtration	10 micron

## Technical View



- Ergonomic circular design
- Standard filter unit and hose/ nozzle
- Simple air controls
- Oil suction draw tube
- Intergrated catalyst cartridge
- Digital tempeprature controller and display
- Clear volume sight tube



- Stainless steel reactor vessel
- All pipework internal
- Methanol recovery system
- Intergrated braked wheels
- Efficient intergrated intrinsically safe heating pad
- Air operated processing pump
- Amberlite vessel