

# Fuel Pump Instructions

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SKU: 1071\_rev C



**Thank you** for purchasing the Raw Power Veggie Fuel Pump. This fuel pump is designed for heavy oils such as vegetable oil or motor oil. It's fully serviceable and comes with a preset pressure regulator. Please read further for special mounting instructions and troubleshooting tips.

A pre-screen or pre-filter is highly recommended. We encourage you to use meticulously clean oil so as to prevent a host of issues in your vehicle.

It is recommended that you put your veggie filter after the pump, so long as your filter will handle the pumps pressure output. Most metal or canister filters will handle this. Racor 1000 or other element type filters cannot handle high pressures.

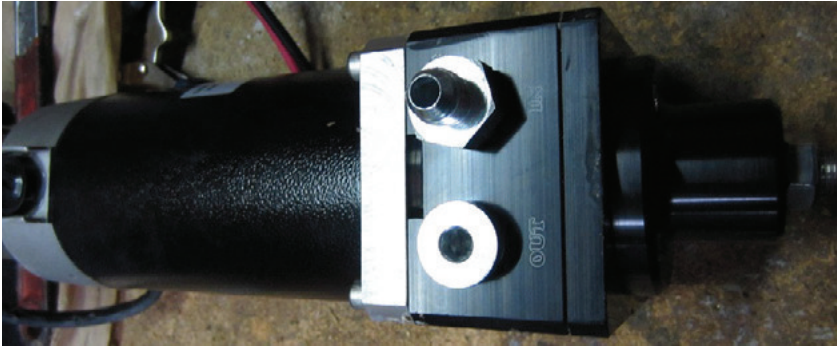
## Specs:

Power: 12V, 30A DC Motor, typical operation < 10 Amps

Pressure: Adjustable 15-100 PSI

Ports: 3 x 1/2" ORB ; 1 x 1/8" NPT fuel pressure port

## Installation:



Add "in" and "out" fittings along with plugging selected "out".



Mount horizontally, with brushes horizontal to the road and wire conduit nut facing down to reduce risk of water contamination.



Add included pressure gauge to 1/8" NPT ports.



Prime the pump and then make adjustments to the variable adjustment screw on the bottom of the pump. Loosen larger lock-bolt to make adjustment to the smaller screw. Tighten pressure adjustment screw clockwise to increase pressure. Pumps are initially set around 20 PSI. There must be some tension on the screw to insure 15+ PSI, otherwise the pump won't prime. Pump won't regulate less than 15psi.

## **Wiring:**

16 gauge minimum wiring. Fuse/Breaker Required. Relay Recommended. Wiring harness available from WVO Designs PN: WH-220

## **Troubleshooting:**

*Pump won't prime*— These pumps are self-priming but, sometimes the pump needs a little help in the beginning. Fill the lines with some clean vegetable oil to assist with priming. Also, check for restrictions in the lines leading to the pump and don't forget to check for air leaks!

*Pump leaks* - Tighten fittings, clean and re-check

**The Raw Power Pump is completely rebuildable!** \*Replacement parts such as seals and brushes can be purchased from [www.wvodesigns.com](http://www.wvodesigns.com)