



# *Important Information from* **GGF** *Proud Makers of Green Gold Filters Micro Refineries*

## **The GGF Refinery Technology**

We often get questions like: How does a GGF Micro Refinery work? Is it just water filter in a bucket with some plumbing fittings? Why do you use a bucket? How does it have such great capacity? Etc.

The GGF technology is patent pending. It is proprietary technology that did not exist before, and it works very well, indeed. Countless units were tested with over 27,000 gallons of waste oils before we released it to market.

### **Thorough Multi-Stage Cleaning in one Self-Contained Unit**

The GGF technology uses three-dimensional chromatographic filtration, rather than barrier filtration. (The nearest technology is depth filtration.) The benefit is that as one region of filtration media becomes clogged, the dirty fluid is able to seek out new regions, over and over, until the entire mass of media is finally filled. This means that the entire mass of media becomes filled with trapped contaminants. In a normal filter, once the filter surface is covered the filter is used up. Properly used, a GGF Micro Refinery has many times the capacity of an ordinary filter of comparable size.

The media of a GGF Micro Refinery is proprietary and was developed over 5+ years of testing and is made specific to each kind of oil to be cleaned. It is chemically pre-treated to separate water and water-based contaminants such as acids. Those water-based contaminants are trapped in the bottom of the container while the cleaned oils flow out the top.

The GGF technology uses a multi-layer barrier final filter to insure the re-refined oils are cleaned to well within its micron rating.

We use buckets as the refinery enclosure for multiple reasons: We tested many different containers and the combination of reliable liquid-tightness, durability and economy made a bucket the optimum choice. We tested buckets from every major manufacturer until we found the ones that work best. The WMO (waste motor oil) bucket has a UN HazMat-Rated lid that, with the easy sealing of the inlet and outlet ports, provides a safe container for the disposal of the metals and acids trapped by the Refinery. The WVO (waste vegetable oil) bucket provides the best reusable liquid seal we have found from any manufacturer. That means that it can be easily and economically refilled with a replacement media cartridge over and over without fear of leakage.

Farmers, Equipment Operators, Preppers, Green-committed, and all economically-minded folks all over the world are finding out how a GGF Micro Refinery can save a lot of money, save older equipment, take some burden off the environment and make life easier. ...*How is this possible?*

*GGF makes micro refineries that economically remove solid contaminants, as well as water-based contaminants such as acids & salts, in one single step without the need for heat, electricity or chemicals.*

**For more information, please call us at 828-333-4658  
or visit our website at: [www.wasteoiltofuel.com](http://www.wasteoiltofuel.com)  
for detailed information, videos and links to informative websites.**