

## Specifications:

### PHYSICAL

Weight: Pump unit—175 lbs., Organic fuel tank—110 lbs.  
Dimensions (WxDxH inches): Pump unit—42x24x75; Organic fuel tank—67x24x58  
Capacity (US gallons) - Organic fuel tank: 250; E-Fuel100 holding tank: 50  
Embedded communications: 802.11b/g, GSM (optional), Satellite (optional)  
Visual alert features: 3 banks of 9 LED's (Red, Green, Blue) status activated  
Audible alert feature: 65 dB alarm at 3.3 KHz  
Safety/mechanical: Key insertion required for fuel pump operation

### OPERATING

Temperature: -20° F (-29° C) to 120° F (49° C)  
Output potential each 7 day cycle: up to 70 US gallons (280 gallons using Enhanced Feedstock)  
Water consumption: 0-4 US gallons per gallon of E-Fuel100 produced  
Waste output: water and respective feedstock residue less the alcohol  
Power consumption: approx. 3 KWh per gallon of E-Fuel100 produced  
Automatic fire suppression system: quick response, glass bulb sprinkler

### REQUIREMENTS

Power: Pumping unit—85 to 265 VAC, 47 to 63 Hz @ 20 Amps, autosense  
Water supply, min 30 psi  
Level installation and drain  
Subscription to the E-Fuel Global Network (nominal monthly fee may apply)  
Internet connection or communications link for the MicroFueller to access the E-Fuel Global Network

Warranty: 2 year limited, on-site. Extended warranties available.  
Life expectancy: 10-15 years  
Certifications CSA, UL pending

Note: Specifications are subject to change without notice.

Part Numbers:  
MFS100-001 MicroFueller system includes MFC100-001 MicroFueller and MFT100-001 Organic Fuel Tank



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**Authorized Representative**



# EFUEL MICRO FUELER

EARTH'S FIRST HOME ETHANOL SYSTEM



**E-FUEL CORPORATION**  
[WWW.MICROFUELER.COM](http://WWW.MICROFUELER.COM)

## Data Sheet

- **Portable, Reliable, Sustainable**
- **Up to 70 gallons of E-Fuel100™ organic fuel per week (280 gallons with Enhanced Feedstock)**
- **Fuel your vehicles**
- **Generate your own electricity and get off the grid**

Introducing E-Fuel's **MicroFueller™**, earth's first home organic fuel processing system. Designed with the consumer in mind, the MicroFueller looks and operates like your typical corner gas station pump. Installation is no more complicated than a washing machine since it only requires water, electricity and a drain.



The MicroFueller consists of 2 main components: (1) the distillation/pumping unit and (2) the Organic Fuel (feedstock) Tank. Up to four feedstock tanks may be connected to each pumping unit to achieve high volume continuous E-Fuel100 production.

The Organic Fuel Tank holds feedstock for processing by the MicroFueller. Typical feedstock consists of waste identified and aggregated by your E-Fuel distributor. On an "as needed" basis, your distributor delivers feedstock to your MicroFueller which in turn produces E-Fuel100 ethanol.

As part of the MicroFueller total system solution, every MicroFueller subscribes to the E-Fuel Global Network (EGN) for a nominal monthly fee. The EGN monitors vital signs of your MicroFueller 24x7 and alerts the appropriate parties based upon pre-set conditions. As a user, all you need to be concerned with is pumping the E-Fuel100. The EGN bills monthly for the use of the MicroFueller at the agreed upon rate established between you and your servicing distributor. Monitored information is available to you, your distributor and E-Fuel through the MicroFueller Dashboard. To view the Dashboard users simply login at [www.microfueller.com](http://www.microfueller.com). The EGN will email you and your distributor if a critical condition exists. When viewing the Dashboard, both real time and historical data are available..

**MicroFueler**—  
internal view of  
the distillation  
column and  
pumping unit

**Legend:**

HE = Heat exchanger  
TEC = Thermoelectric cooler  
AD = Analog to digital converter  
DA = Digital to analog converter  
CPU = Central Processing Unit  
LCD = Liquid Crystal Display

