

Plasma Arc Flow TM

Waste-to-Energy

***Converting Liquid Waste into Energy
Saving the Environment
Reducing Global Warming***



www.magnegas.com

Island Liquid Waste & Energy Problems

- **Runoff from liquid waste such as sewage and sludge is destroying the eco-system, killing fish, coral reefs, and impacting tourism**
- **Sewage hookup generally is not available in remote areas**
- **Conventional water treatment is very expensive to build and operate and does not completely remove pollutants**

**Sewage Dumped
into Sea**



The Plasma Arc Flow™ SOLUTION

- ✓ **Recycles Sewage or Liquid Waste On Site**
- ✓ **Produces Clean Burning Fuel**
- ✓ **Pollution Free**
- ✓ **Costs Less**



Recycles Sewage/Liquid Waste

- ✓ A combination of heat (10,000° F), electric current (1,000 A) and ultraviolet rays bakes the waste materials in suspension and creates a sterilized liquid.
 - Sewage & Sludge
 - Farm Manure
 - Glycerin & Bio-Fuel By-Products
 - Petroleum By-Products
 - Oil Based Waste, Paint Thinner
- ✓ Eliminates harmful bio-contaminants, metals, chemicals and nutrients from the liquid waste
- ✓ Liquid waste is transformed into irrigation water or potable water



Produces Clean Burning Fuel

✓ Clean burning, cost competitive bio-fuel called “Magnegas™” is produced as a byproduct of the recycling process, can be used for:

- ✓ Generating Green Electricity
- ✓ Powering Vehicles
- ✓ Cooking
- ✓ Heating
- ✓ Metal Cutting

Magnegas™ has the LOWEST Green House gas emissions when compared to any fossil fuel



Magnegas Uses

- ✓ **An excellent replacement or compliment to virtually every fuel**
- ✓ **Dramatically cleaner and less expensive to produce than other alternative fuels**
- ✓ **Any car or bus that runs on natural gas will run on Magnegas**
- ✓ **Can power virtually any engine other than Diesel.**



Fuel Alternative – A Comparison of Exhaust

Element	MagneGas (MG)	Natural Gas	Gasoline	EPA Standards
Hydro-carbons	0.026 gm/mi	0.380 gm/mi 2460% of MG emission	0.234 gm/mi 900% of MG emission	0.41 gm/mi
Carbon Monoxide	0.262 gm/mi	5.494 gm/mi 2096% of MG emission	1.965 gm/mi 750% of MG emission	3.40 gm/mi
Nitrogen Oxides	0.281 gm/mi	.732 gm/mi 260% of MG emission	0.247 gm/mi 80% of MG emission	1.00 gm/mi
Carbon Dioxide	235 gm/mi	646.503 gm/mi 275% of MG emission	458.655 gm/mi 195% of MG emission	No EPA standard exists for Carbon Dioxide
Oxygen	9%-12%	0.5%-0.7% 0.04% of MG emission	0.5%-0.7% 0.04% of MG emission	No EPA standard exists for Oxygen

Efficient in Small Scale

- ✓ **The Magnegas™ Recycler takes up a small area in comparison to traditional methods. This unit is sufficient to process all of the sewage for a small town and can be built in 3-6 months**



Requires Little Space

- ✓ The Plasma Arc Flow™ recycler occupies only a 10 foot (3 meter) by 10 foot (10 meter) footprint and can be placed anywhere, even indoors
- ✓ Valuable land is free for other uses



Pollution Free

- ✓ **The Magnegas Recycler does not emit any harmful exhaust**
- ✓ **Very little noise.**
- ✓ **Eliminates ALL impact on coral reefs or fish**
- ✓ **We have the SOLUTION!!!**



Costs Less

- ✓ **Less than traditional sewage disposal methods**
- ✓ **Fabricated in numerous flow capacities.**
- ✓ **No other refining or other additives are needed**
- ✓ **Valuable land and space is saved**



A Cleaner – Better Planet

- ✓ Clear and sterilized water is produced
- ✓ NO harmful pollutants or byproducts are produced or released into the eco-system
- ✓ The Magnegas environmental impact is much less than any other fuel including Hydrogen!



A Call to Action

It's said the flap of a butterfly's wings in Brazil can change the weather in Texas. Research today proves that in 50 years some island and coastal land will be underwater and the reefs destroyed due to pollution and global warming.

MagneGas has the solution for these problems!!

The Islands belong to the Earth and the UN can protect them for every creature on the planet to enjoy.

Use your voice and your vote
to improve the world tomorrow.

BE A BUTTERFLY

