

Container-Digesters Module

Spheres of Effects and Concerns

BIOGAS

All biogas storage, piping and equipment housed within container except for quick-connect outlets.

Pressure --
gas line pressurized to 6-8' with variable weights on bag

Container-Digesters
Community Development Module

Agitation --
for mixing, flow, and pH, ammonia, etc. maintenance

Generation --
Two Digesters -- each 37' X 3.5' X 3' = 388cuft, 776 w/both, or 28.8 cu yds

Storage --
15' X 8' X 4' geo-fiber bag = 480 cuft

Community Biogas Utilization
Through multiple quick-connect sockets on outside of container -- piped to burners

Biogas-fueled refrigeration and/or freezing -- Several small units accessible through side doors of container

Cooperation with natural carbon cycle -- Carbon-Neutral Cooking

Culinary -- Community and shared space

Medicinal -- Vaccines, etc.

Community Cooking?
Clean indoor air
Health Effects

Home Cooking

Savings compared to alternatives
Fossil Fuels
Biomass Fuels

Quality of Life Effects

Health Effects

Quality of Life Effects

Convenience
Time Savings
Quality of Life Effects

K.I.S.S. ... NOT!

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