Methane Generation from Waste Materials
Innovative Design for Producing Methane from Manure

CLAIMS:

- IP provides a higher biogas production and a shorter digestion period
- Uses lower weight components
- Eliminates the need for a separate gas storage tank

OVERVIEW:

Using a co-digestive process, our anaerobic digestion system naturally converts biomass waste material into industrial-grade methane gas. This patented technology is an environmentally responsible way to manage organic farm waste, particularly cow manure, and generate renewable energy.

NOVELTIES:

- Produces high quality methane that can be used as a fuel or for generating electricity.
- Byproduct biomasses generated from the digester can serve as high-quality compost.

ADVANTAGES:

- Anaerobic digestion may increase the value of manure as a fertilizer
- Renewable energy production
- Reduction in Greenhouse gas emissions
- Manure treatment reduces total oxygen demand, odors, and pathogens
- Higher biogas production and a shorter digestion period than competitive digesters

APPLICATIONS:

- Agricultural uses for farms
- Industrial uses for food processing plants
- Municipal uses for landfills

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