

PUXIN Mini Size 1.2M3 Portable Assembly Biogas System

(Patents applied)



1. PRODUCT DESCRIPTION

It is a Do It Yourself (DIY) Kit BIOGAS SYSTEM for convenient transport and easy assembly. It comes in cardboard boxes. It is surface mounted, so there is no need for digging and/or heavy construction. It can be assembled within 30 minutes by clients themselves without any training.

It is a high efficient biogas system with hollow sunlight sheet green house and pad for insulation and heating.

It makes you treat your organic waste locally, use the biogas for cooking and electricity, feed your garden with nutritious liquid fertilizer, save on your energy bill and garbage disposal fee!

Main benefits:

1. It converts kitchen waste into high-quality, hygienic high-grade organic fertilizer for planting organic vegetables, change the unhygienic and unhealthy habits of planting vegetables with human waste, and provide hygienic and healthy organic vegetables for the family.
2. It disposes kitchen waste in time to avoid breeding of flies, cockroaches, mice and various harmful germs, to avoid odor pollution, and to improve the sanitary environment at home.
3. It can also provide biogas green energy for cooking.

Compared with compost

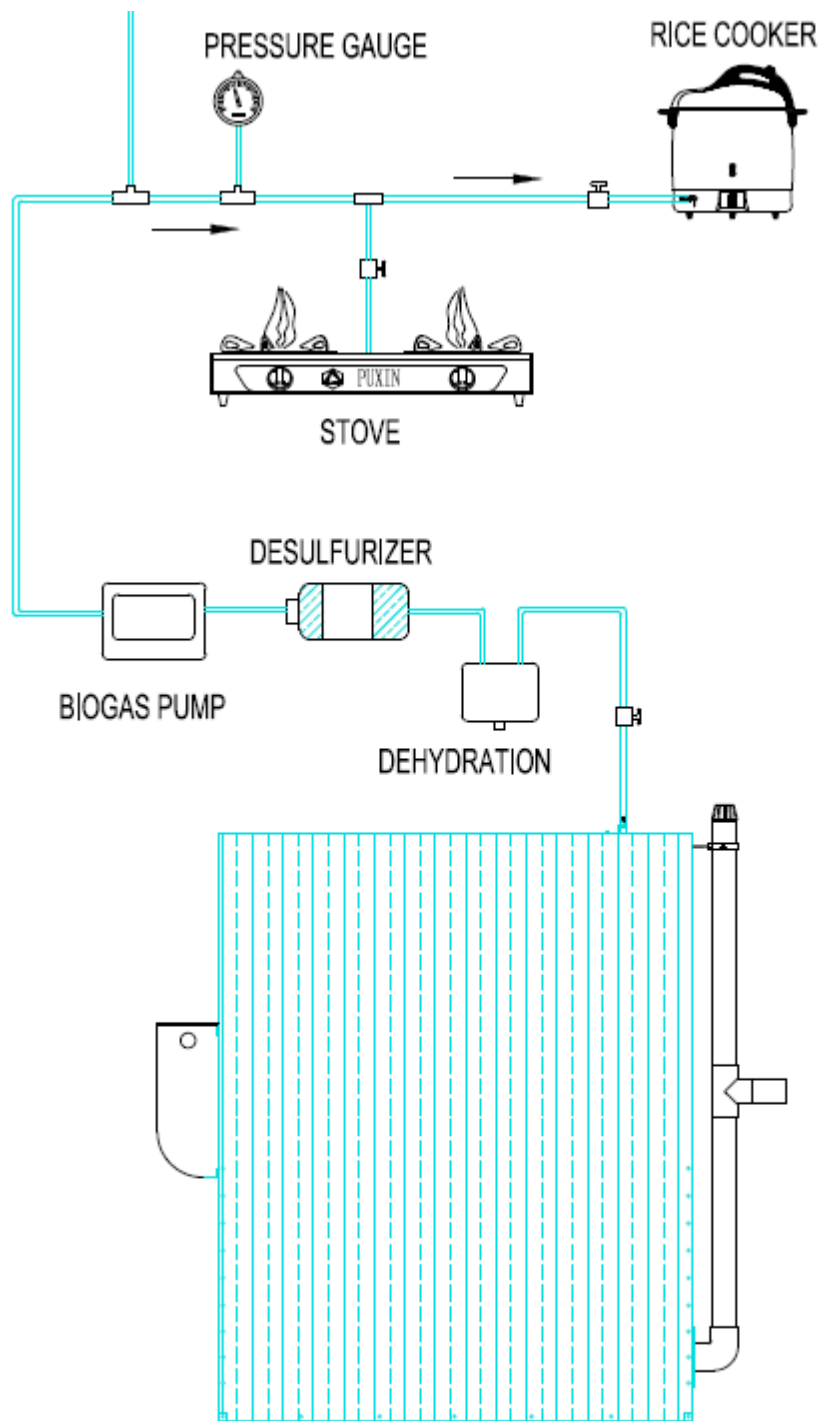
The compost must be in batch feeding rather than continuous processing which is not practical for family use, it has odor during production, not environmentally friendly, and no biogas energy applied.

It is the ultimate solution for families, restaurants, hotels and resorts to treat their organic wastes (food waste, sewage sludge and animal manure etc.)



The product is composed of a green house made with hollow sunlight sheet and mental supporting frame, a membrane digester with a gas storage bag combined in one, a stainless steel sink, a stainless steel outlet, a biogas filter and a biogas booster pump. The membrane of the digester has the characteristics of anti-aging, acid and alkali resistant and rodent resistance.

Flow diagram for the system



**Portable Assembly Biogas
System--(Family size)**

Photos for portable assembly biogas digester



Biogas stove



When required,
a feeding pump for sewage sludge disposal can be added;
a circulating pump for raw material feeding and anaerobic digestate mixing can be added;
a grinder for food waste shredding can be added.
and an electric heater can be added for cold regions.



CERTIFICATE Of Conformity

Certificate No. : USG2016030113C
Applicant : Shenzhen Puxin Technology Co., Ltd.
2nd floor, Bldg 4, North Jiaoyu Rd.49#, Gaoqiao, Pingdi,
Longgang, Shenzhen, P.R.China
Manufacturer : Shenzhen Puxin Technology Co., Ltd.
2nd floor, Bldg 4, North Jiaoyu Rd.49#, Gaoqiao, Pingdi,
Longgang, Shenzhen, P.R.China
Product : Assembly Biogas System
M/N : PX-ABS-3.4M3 、 PX-ABS-1.2M3 、 PX-ABS-15M3 、
PX-ABS-66M3、 PX-ABS-260M3、 PX-ABS-1380M3
Trademark : N/A
Test Standard : EN 60204-1: 2009
EN ISO 12100:2010

When tested as specified, the submitted sample complies with the Low Voltage Directive 2006/95/EC and 2006/42/EC Directive.

The certificate is applicable to the test products mentioned above. It is only valid in connection with the test report number: USG2016030113R.



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2. TECHNICAL DATA

Waste Treatment Capacity:

Raw material	(Kg/d)
Food waste	8.3
Pig manure	15
Cow manure	20
Chicken manure	8.6
Human manure	10.6
Vegetable	21.6

And biogas production is 0.6m³ per day. It can be used for biogas stove single burner for cooking about one and half hours.

Output: Biogas and Clean natural liquid fertilizer

Minimum Ambient Temperature: 10°C

Dimensions: L0.98*W0.98*H1.14 m

Space of green house: 1.2m³

Volume of digester: 0.6m³

Volume of gas storage: 0.4m³

PS:

The product is convenient for commercialization: It can be easily carried, displayed on exhibitions and supermarkets, and be delivered in cardboard boxes.

Capable dealers are welcome!

Special size products can be manufactured when order in Batch.

Packing details for the 1.2 M³ model assembly biogas digester itself:

Packing sizes total in 3 packages as per sizes and picture as below:

118*23*26cm, 126*35*26cm, 72*41*26cm,

G.W.: 50 kgs

Package

