



BIOMASS GAS STOVE

The MJ Biomass Gas Stove (BGS) is a second generation type stove technology that converts solid biomass wastes into gaseous fuel for domestic cooking. Gaseous flame, having a mixture of CO, H₂ and CH₄, are efficiently burned in the stove for convenient cooking while reducing CO₂ gas emission.



The stove comes into varying models and sizes to suit the availability of fuel in the locality. Biomass fuel like wood charcoal, carbonized coal, or pellets can be used in the stove.



Models Available:

WCGS-10D, CGS-10D, BPGS-10D

Features:

- Uses biomass wastes as fuel
- Affordable
- Convenient to use
- Easy to ignite fuel
- No smoke emission during operation
- Flame intensity can be controlled
- Uses very small amount of electricity to energize fan
- Easy to load fuel and to discharge char/ash
- Highly efficient
- Handy
- Safe to operate.

Specifications:

Model	WCGS-10D	CGS-10D	BPGS-10D
Fuel	Wood Charcoal Fines	Carbonized Coal Fines	Biomass Pellets
Fuel Consumption Rate (kg/hr)	0.39	0.65	0.60
Flame Color	Pink to blue	Blue to pink	Yellow to pink
Power Output (kW)	0.8	1.2	1.0
Start-Up Time (min)	3	5	2
Time to Boil Water	10 min for 1 liter of water	7 min for 1.5 liter of water	13 min for 1 liter of water
Operating Time (Hr)	0.4	0.6	1
Overall Dimension (cm) W x L x H	32 x 32 x 35	32 x 32 x 37	35 x 35 x 40



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