



## YOUR PARTNER FOR ALL YOUR AIR & GAS NEEDS

### DO YOU WANT TO GENERATE ENERGY FROM WASTE ???

### Install our PSA/VPSA BIO GAS TO CNG PLANT



- ✓ **Eco Friendly Fuel.**
- ✓ **Efficient way of energy conversion**
- ✓ **Digested Sludge is high quality fertilizer**
- ✓ **Source for decentralized power generation**
- ✓ **Organic waste material use as a raw material**
- ✓ **Non polluting**

### What is Bio CNG?

Bio CNG is the purified form of biogas where all the unwanted gases are removed to produce >95% pure Methane gas. Bio CNG is exactly similar to the commercially available natural gas (CV: ~52,000 kJ/kg) in its composition and energy potential.

Criteria	(Bio CNG) IS:16087 2016	CNG available IS:15958
CH <sub>4</sub>	Min 90%	90%
CO <sub>2</sub>	Max 4%	Max 3.5%
H <sub>2</sub> S	16 ppm	16 ppm
Moisture	5 ppm	5 ppm
Filling Pressure	220 bar(g)	220 bar(g)

### Sources of Biomass

Agricultural residues | Food waste | Industrial waste | Energy crops | Animal Excreta | Poultry waste | Organic fraction of municipal solid waste | Garbage | Sewage slurry

### OUR OTHER PRODUCTS :



PSA O2 Plant



Amm. Cracker



PSA N2 Plant



HOC Dryer

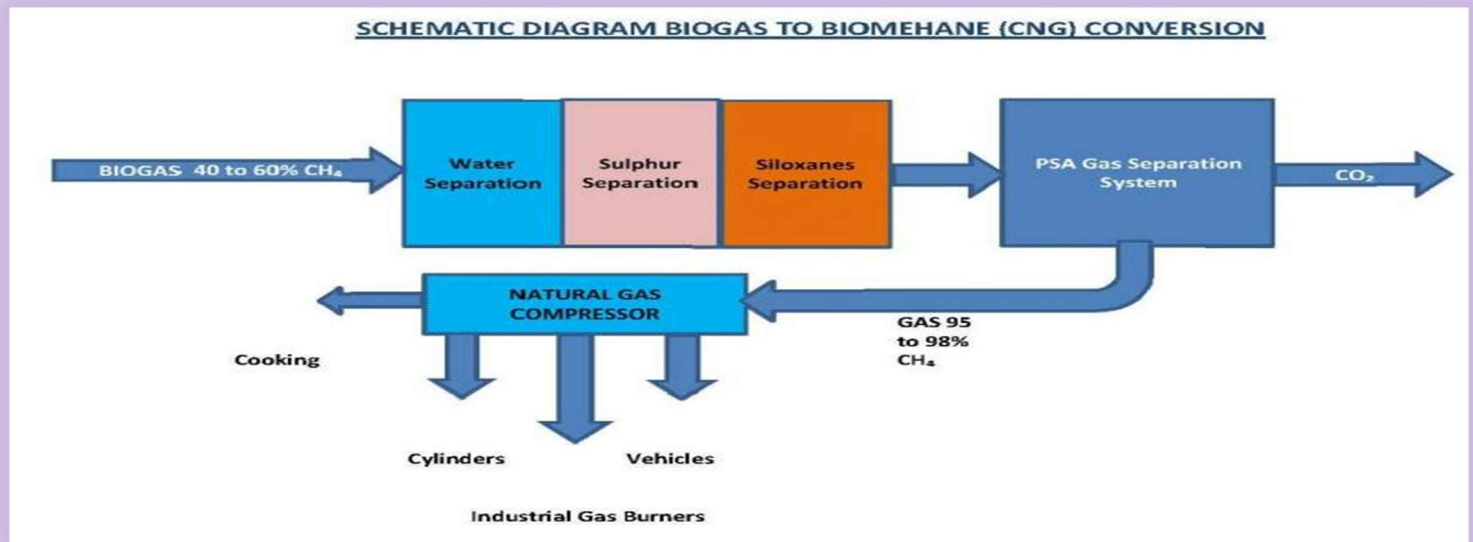


Refrigerated Dryer



Bio Gas Dryer

## PROCESS DESCRIPTION:



The Bio gas contains normally 40-60% methane and rest being CO<sub>2</sub> & N<sub>2</sub>. For getting the enrichment of methane to convert it into comparable to Natural gas CO<sub>2</sub> & N<sub>2</sub> has to be taken out from Bio Gas. For this we provide PSA/VPSA/VSA based twin tower adsorption System. This purifies the Bio Gas to methane 92-98% pure. This is a fully automatic system and man less operation. In this System Bio Gas is compressed and passed over Molecular Sieves where CO<sub>2</sub> & N<sub>2</sub> is adsorbed and pure methane with 92-98% Purity is obtained.

This Bio Gas Plant is efficient in acting as your biogas to bio-CNG conversion plant. Our pricing structures are highly competitive to ensure your satisfaction with both cost and quality. We provide excellent customer support services for running your Biogas purification plant at optimal efficiency.

## OUR OTHER PRODUCTS:



## **AIR-N-GAS** PROCESS TECHNOLOGIES

### **Corporate Office:**

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