



Compressed Biomethane Gas (CBG) System



Biomethane Production

Compressed Biomethane Gas (CBG)

Gas source from
Crops / Plantation



Gas engine &
Storage Facility



Biogas Upgrading
Membrane Technology



CBG Compressor &
CBG Storage



CBG Filling
Station



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Find out more from us;

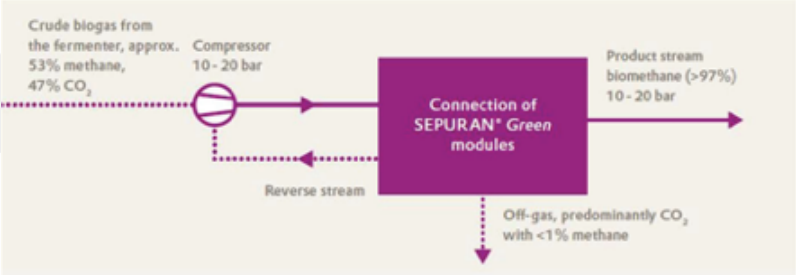
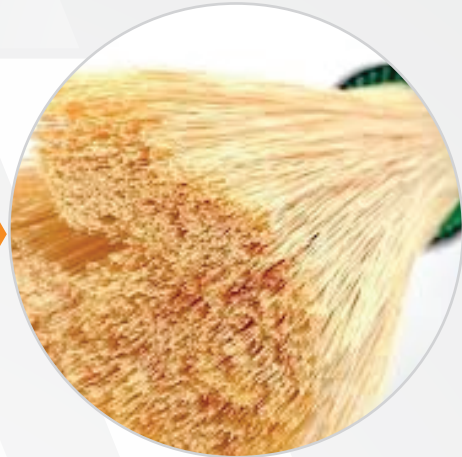
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Membrane Technology To Purify Methane



Raw Biogas Specifications For Biomethane Production

No.	Parameters	Unit	Value
1	CH ⁴	% Vol.	52 (min.)
2	CO ²	% v/v	42 (max.)
3	O ²	% v/v	0.5 (max.)
4	N ²	% v/v	5 (max.)
5	H ² S	ppm	<200 (max.)
6	Relative Humidity	%RH	Saturated
7	Temperature	°C	<50
8	Input Flow Pressure	mbarg	0.5-2.0

Specifications & Quality of CBG

No	Parameters	Specifications
1	Water Dew Point @20,000 KPA	≤ 9.2
2	Hydrocarbon Dew Point at Pressure 4,500 kPa	≤ 15.5
3	Wobbe Index (MJ/m3)	37.0 - 42.0
4	Methane <500 Number	≥ 65.0
5	Hydrogen Sulfide (mg/m3)	≤ 23.0
6	Hydrogen (% by Vol.)	≤ 0.1
7	Carbon Dioxide (% by Vol.)	≤ 18.0
8	Oxygen (% by Vol.)	≤ 1.0
9	Sulfur (mg/m3)	≤ 50.0

