

**Product Name :**  
Biogas Plant

**Product Code :**  
DM952



**Description :**

Biogas Plant

**Technical Specification :**

Biogas Plant

Two-stage biogas plant (continuous or discontinuous operation possible)

2 stirred tank reactors made of stainless steel with capacitive level sensors

Separate supply unit with substrate tank and feed pump

Control of temperature and ph value in the reactors

2 metering pumps for acid and caustic

Heating water circuit with tank, heater, temperature controller and pump

Biogas is dried with silica gel

Biogas analysis: flow rate, methane content, carbon dioxide content, humidity and temperature

Control of the plant using a PLC, operated by touch screen

Software for data acquisition via USB under Windows 10

Technical data:

Tanks made of stainless steel

Reactor (stage 1): 26,3L

Reactor (stage 2): 73,5L

Substrate tank: 30L

Digestate tank: 26,3L

Pumps

3 peristaltic pumps: each 25L/h

2 metering pumps: each 2,1L/h  
Heating water pump: 480l/h  
Stirring machines  
Substrate tank: 200min-1  
Reactors: each 120min-1  
Measuring ranges  
Methane content: 0...100%,  
Carbon dioxide content: 0...100%  
Flow rate: 0...30nl/h (biogas)  
Ph value: 2x 1...14  
Humidity: 0...100%  
Temperature: 3x 0...100°C (reactors and biogas)  
400V, 50Hz, 3 phases.

## Naugralabequipments

**Website:** www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003