



Spare Part Package, Biogas Plant





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The nature of a biogas plant requires selected equipment and spare parts with proven reliability for long lasting service intervals.

Some specific areas, systems or parts in the biogas plant are of vital importance for the complete operation. Breakdown and lack of vital spare parts could result in expensive down time and loss of valuable production performance.

Xergi can provide the specific biogas plant with a spare part package which ensures availability of vital spares for critical systems.

For a typical 1 MW_{elec} biogas plant we can recommend:

1. Standard spare part package, A1+A2:

Basis biogas plant, A1

- Main gas blower
- Titration unit (plant laboratory)
- CPU unit, main SCADA
- 2 pcs. I/O-card
- 2 pcs DI-card
- UPS for SCADA & PLC.

Gas engine spare parts, A2

- 1 set of spark plugs incl. washers
- 2 x spark plug heads, electric noise reduced
- Beathing filters
- Oil filters.

2. Extended spare parts package, B1+B2:

Basis biogas plant, B1

- Main gas blower
- Titration unit (plant laboratory)
- CPU unit, main SCADA
- 2 pcs. I/O-card
- 2 pcs DI-card
- UPS for SCADA & PLC
- Gas meter, manual: H₂S, O₂, CH₄
- Personal protection meter: H₂S, O₂, LEL
- Agitator submersed, (e.g. 5,5 kW)
- Manure pump, (e.g. 7,5 kW)
- Temperature transmitter, 0-20 mA
- Air blower, H₂S reduction, 2nd digester
- Pump wheel and pump house for manure pump
- Oxygen meter for gas storage.

Gas engine spare parts, B2

- 1 set of spark plugs incl. washers
- 2 x spark plug heads, electric noise reduced
- Beathing filters
- Oil filters
- Air filters
- Gas throttle actuator (or similar for gas engine)
- Ignition box
- Thermal element for exhaust gases
- Oil pump
- Starter
- Turbo charger
- Exhaust temperature gauges
- Exhaust compensators
- Cylinder head, complete incl. gaskets
- Cylinder liner incl. gaskets
- Piston, complete incl. gaskets.

Options: We can offer tailor made spare part packages created to fulfill any size and dimension of biogas plant - call us for an offer.



- excellence in biogas

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