

COCCUS[®] Plant System

Industrial standard for the agricultural market



Plant systems

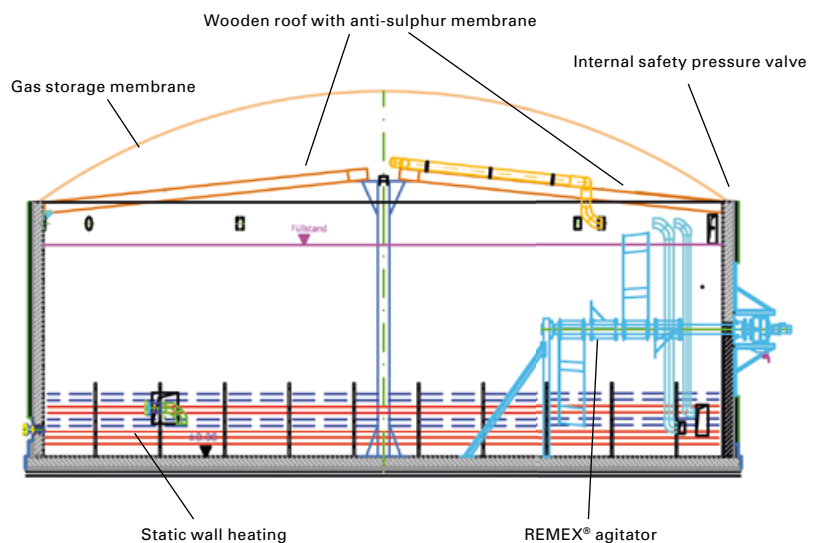
In Germany, the Renewable Energy Sources Act (EEG) encourages the construction of smaller biogas plants in the agricultural sector that utilise a high proportion of slurry as feedstock. This prompted Schmack Biogas to develop the COCCUS[®] plant system. High industrial standards applied by Schmack in the construction of larger systems were also implemented in the development and realisation of this system. The COCCUS[®] plant system is the right choice where feedstock with a low energy density and low proportion of dry matter is predominately available, for example cattle and pig slurry.

Advantages of this plant system

- Low inherent power consumption
- Industrial standard
- Less supervision required due to high level of automation and convenient operation
- High technical availability
- TÜV approbation (German Technical Inspection Agency), and extensive technical documentation
- Sophisticated, professional plant control system with PLC technology
- Short construction times
- Simple and flexible upgrading at any time

Technical components

- Robust feeding station for individually tailored feedstock charging
- All-in-one CHP unit incl. control and pumping technology
- Robust paddle agitator with an energy-efficient and highly flexible drive unit for optimum mixing and continuous gas production
- Static heat distribution on the digester wall for uniform heating
- Established storage and sealing technology
- Wooden roof with protective membrane enables natural biological desulphurisation
- Internal, frost-proof and therefore low-maintenance safety pressure valve



COCCUS® Plant System

Conceptual Drawing

COCCUS® Plant System 500kW_{el}

Plant systems

