

## Uninterrupted gas production thanks to back-up pumps.

Biogas plants are making an ever increasing important contribution to energy supply. The use of renewable sources of energy based on biomass, such as raw materials from kitchen waste, also has a beneficial effect on the climate.

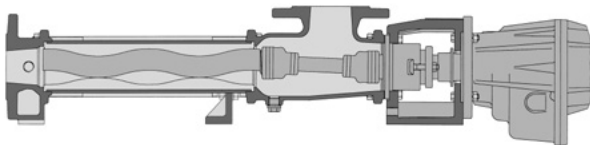
The number of plants installed has risen greatly in the last few years, and in Germany in particular. In 2002, the biogas plant in Werlte, a community in the Emsland district, started production. It is one of a total of three plants operated by EWE Biogas GmbH & Co. KG. A total of 190 t liquid cow and pig manure and 110 t vegetable and animal fats and food waste from restaurants and industrial kitchens is processed every day. About 50 % of the biogas produced is fed into the public low-pressure gas network. The remainder is used to generate approximately 1,300 kWh electrical energy.

seepex pumps play an important role at the biogas plant in Werlte and can be found in all of the important process steps. They convey liquid manure, vegetable and animal fats, food waste, fat mixtures and fermentation substrates efficiently and reliably to the corresponding installations.

There are five pairs of seepex pumps installed. Whilst one pump is in operation, the second is a back-up pump.

### Key Facts

- Pumping of different liquids – even of hot liquids which contain solids
- Back-up pump guarantee uninterrupted operation



### Installed Pump Type

- Range BN with Smart Stator Technology (SST)



Six of the total of eleven seepex pumps at the biogas plant in Werlte

This means that – if required – the second pump can be completely removed from the plant for service and repair work and that maintenance can be performed without time pressure.

The pumps easily transport products which are sometimes very hot and which are mixed with solids such as stones and sand. Thanks to the back-up pumps, trouble-free operation and more importantly continuous gas production is ensured.

And what can we get flowing for you? Your nearest contact:

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