



It's not waste. It's energy.

Double membrane gas storage

High wind and snow load ensured by air-hall construction.



The AAT double membrane gas holder is used as intermediate buffer for the produced biogas, WWTP or landfill gas.

In order to compensate variations in production and to ensure ideal supply of the consumers, it is necessary to store the gas temporarily.

The gas storage basically contains of two membrane layers on top of each other. By means of a support air blower the space in-between is filled with air whereby the outside shell is stabilised against external influences such as wind and snow load, and at the same time a defined booster pressure is created.

The gas storage can be placed on a foundation or directly on an edge of the tank (top of wall). on a tank some ropes prevent the contact of the membrane with the medium in case of an empty gas storage.

On account of the construction, the investment and operation costs are considerably lower compared with low pressure or dry gas storage tanks. An customized production is possible with respect to size and design.

Advantages:

- ✓ Membrane made of PVC foil (UV and chemically resistant, flame-resistant)
- ✓ customized design possible
- ✓ High process safety
- ✓ Low costs
- ✓ Integrated level measurement
- ✓ Simple installation
- ✓ Hydraulic overpressure and underpressure protection

Options:

Upon request, all RAL colours and individual prints can be applied for a small extra charge.