





### LIPP® Gas Accumulators

# Cost-effective system for the non-pressurised storage of biogas, landfill gas, sewage gas and CO<sub>2</sub>

Gas production relying on biological processes is not a continuous process. Therefore, - before gas utilisation (i.e. in a CHP) – it is necessary to have a gas storage device to compensate fluctuations during the gas production and to bridge failure times for repair and maintenance work of the CHP.

Besides high functional and operating safety, other important criteria for the construction and operation of gas tanks include the economic aspects of investment and maintenance costs.

LIPP has developed a system for depressurised storage of dry gas which has been used for over 300 projects worldwide since the early 1970s. Depending on the gas yield, sizes between 50 and 5,000 m<sup>3</sup> are available.

The gas accumulator consists of two parts:

- . a bubble-shaped storage balloon
- . a steel tank, which protects the balloon from the weather and mechanical damage

The tanks are manufactured with the tried and tested LIPP Double-Seam-System. The storage balloon is made of polyester fabric specially laminated with PVC on both sides for improved gas resistance and UV protection. It is suspended in the tank by means of a support ring.

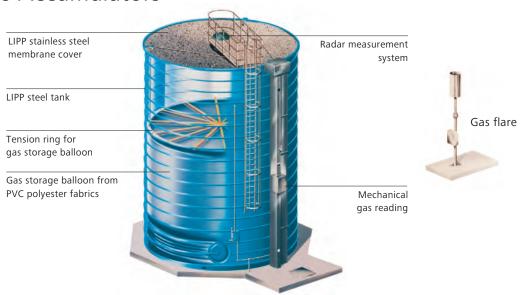
The gas pressure is increased as required between the gas accumulator and the point of utilisation by means of compressors. This results in lower investment and maintenance costs on the one hand and an extremely reliable and virtually wear-free system on the other. Consequently, this will also increase the service life of the system.





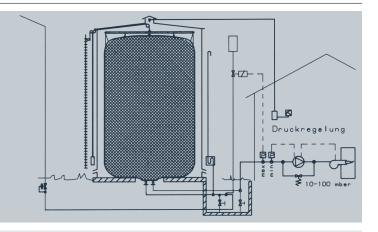
# Behälter und Systemlösungen Tanks and System Solutions

## LIPP® Gas Accumulators



# Key benefits

- . High functional and operating safety
- . Highly accurate radar measurement enables exact content to be displayed
- . Low investment and maintenance costs
- . Quick construction
- . Low-maintenance
- . Long service life
- . Leak-tightness can be checked



### **Technical Data**

#### Volume

from 50 to 5,000 m<sup>3</sup>

#### Media

sewage gas, landfill gas, biogas and CO<sub>2</sub>

#### Operating pressure

atmospheric between 0 – 1 mbar Maximum pressure: 3 mbar Minimum pressure: not applicable Other pressures on request

#### **Exterior Colour**

freely selectable according to RAL

#### Materials

galvanised steel in proven LIPP Double-Seam-System

stainless steel, e.g. 1.4301 [304]

## Storage Balloon

PVC polyester fabrics

#### **Equipment**

Radar measurement system Over-/underpressure protection Lockable access hatch Gas reading

Stairways, ladders, platforms, connection pieces, manholes,

### Certificates

LIPP Gas Accumulators are built according to prevailing safety standards.





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