

# MemGas™

Upgrade biogas to biomethane

BIOTHANE



## MemGas™

*The best technical-economical solution*

- Safe and robust process with a high availability
- Up to 99.5% of biogas turned into biomethane
- Low energy consumption
- No consumables needed such as water or chemicals
- Entirely automated process
- Compact containerized installation
- High flexibility for fluctuation in biogas flow and composition

*1 MWh biomethane  
avoids the emission  
of 0,22 T of CO<sub>2</sub>*



**Veolia Biothane**  
to guarantee your serenity

- › An **expertise** of more than 40 years in biogas business
- › “Glo-cal” approach: **global expertise** and **local presence**
- › Reliable and strong partner, highly committed to ecological transformation
- › **Operator DNA**: technology designed by and for operators
- › Design and execution according to VEOLIA Safety Standards



**Service contracts designed**  
for high availability


- › Hotline and support for **maximal uptime**
- › **Full set of spare parts** quickly available
- › **Mobile media filters** for maximized reliability, flexibility and optimized operation
- › Guarantee on media consumption




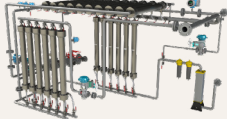
**MemGas™ process**

Converting biogas into biomethane involves 3 main steps:

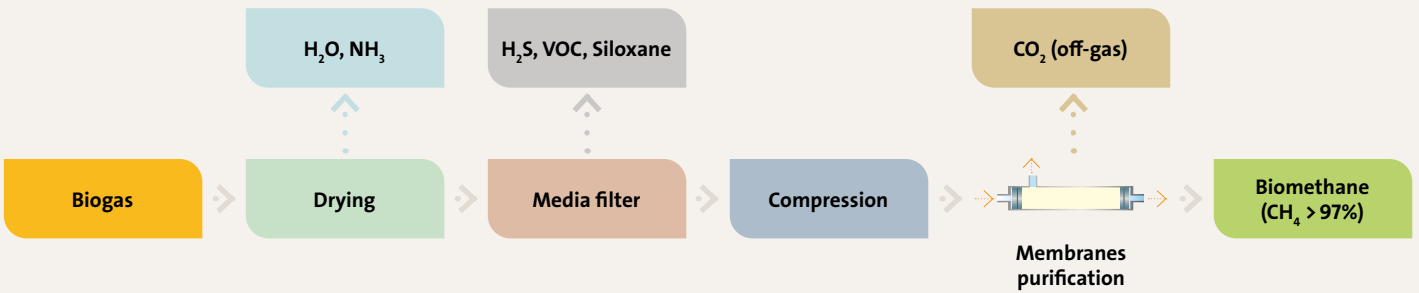
- 1** The biogas is **pretreated** to **remove unwanted components** such as H<sub>2</sub>S, VOC and water.


- 2** Compression


- 3** After compression it passes through the high pressure gas separation membranes to separate CO<sub>2</sub> from CH<sub>4</sub> and obtain biomethane.



*Process description*



**OUR COMMITMENTS**



*A complete offer to support our Clients for the long term*



*Design and execution according to VEOLIA Safety Standards*



*Technicians teams worldwide: a guarantee of services and responsiveness*

**APPLICABLE FIELDS**

Municipal	Agricultural	Industrial	Waste to energy	Landfill
-----------	--------------	------------	-----------------	----------