### **BIOGAS/SEWER GAS**



## BIOGAS CHP UNIT UTILISING CONDENSING TECHNOLOGY



# **G & L BIOGAS KG**

Birkhahnstraße 1, 26683 Scharrel, Germany

The exhaust gases from two CHP units are channelled by a fan through the BOMAT AWR 10-GG-1046-MT-4-9-3. The exhaust systems are separated from each other by dampers. A control system ensures that only the exhaust gas path of the CHP unit currently in operation is opened. The heat is used exclusively to heat the fermenters.

Heat source:	Biogas CHP unit 1: 800 kW (el.),	
	Biogas CHP unit 2: 530 kW (el.)	
Fuel:	O Fuel oil O Natural gas O Sewer gas O Biogas	
Exhaust gas heat exchanger:	10-GG-1046-MT-4-9-3 (year of manufacture: 2018)	
Exhaust gas temperature:	approx. 220°C (upstream of HE) 🛛 approx. 70°C (downstream of HE)	
Coolant temperature:	approx. 50°C (upstream of HE) 🛛 approx. 60°C (downstream of HE)	
Heat recovery per year:	approx. 750,000 kWh	
CO <sub>2</sub> reduction per year:	approx. 150,000 kg	BioBG
Engineering design by:	BioBG GmbH, Webers Flach 1, 26655 Ocholt, Germany	Mehr Erfolg mit effizienter Energie

### Sestimated payback period less than 3 YEARS.



#### BOMAT Energiesysteme GmbH \_

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