

BIOGAS/SEWER GAS

**BIOGAS CHP UNIT
UTILISING CONDENSING TECHNOLOGY**



REFERENCE PROJECT

BIOGASANLAGE MARKUS WEHRLE

Bercherhof 3, 79801 Hohentengen-Bergöschingen, Germany

The Bomat AWR 08-GG-1046-MT-4-9-3 is installed on the exhaust gas side as a second downstream exhaust gas heat exchanger. The heat recovered is supplied to the heating network on the water side via the sewage sludge drying return to raise the return temperature.



Heat source:	Jenbacher JMS 312 GS-BL 549 kW
Fuel:	<input type="radio"/> Fuel oil <input type="radio"/> Natural gas <input type="radio"/> Sewer gas <input checked="" type="radio"/> Biogas
Exhaust gas heat exchanger:	08-GG-1046-MT-4-9-3 (year of manufacture: 2019)
Exhaust gas temperature:	approx. 200°C (upstream of HE) ➡ approx. 60°C (downstream of HE)
Coolant temperature:	approx. 35°C (upstream of HE) ➡ approx. 50°C (downstream of HE)
Heat recovery per year:	approx. 840,000 kWh
CO₂ reduction per year:	approx. 168,000 kg

➡ Estimated payback period **less than 3 YEARS.**

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