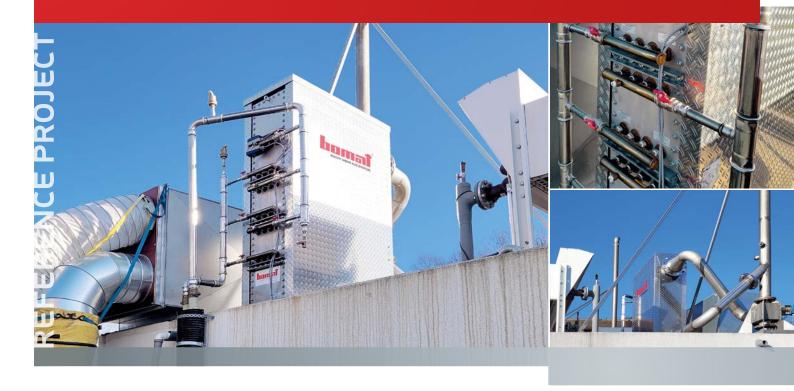
BIOGAS/SEWER GAS



EXHAUST GAS HEAT RECOVERY IN A BIOGAS CHP UNIT



ROTTMAR AGRARTECHNIK GMBH

An der Ach 1, 88299 Leutkirch

The BOMAT O3-KK-1064-MT-4-9-6 exhaust gas heat exchanger from the modular Profitherm series is installed in the bypass on the exhaust gas side. The extracted heat is fed into the heating system via a return temperature raising facility.

Heat source: Jenbacher BHKW JMS 412 GS, 889 kWel.

Fuel: O Fuel oil O Natural gas O Sewer gas O Biogas

Exhaust gas heat exchanger: O3-KK-1064-MT-4-9-6 (year of manufacture: 2022)

Exhaust gas temperature: approx. 200°C (upstream of HE) **③** approx. 66°C (downstream of HE)

Coolant temperature: approx. 60°C (upstr. of HE) **③** approx. 64°C (downstr. of HE)

Heat recovery per year: approx. 160,000 kWh CO₂ reduction per year: approx. 32,000 kg

Sestimated payback period approx. 3-4 YEARS.



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