

BIOGAS/SEWER GAS

BIOGAS CHP UNIT UTILISING CONDENSING TECHNOLOGY



LANDBODEN MÜHLINGEN GMBH

Bördestraße, 39221 Bördeland OT Zens, Germany

A BOMAT O8-GG-1046-MT-4-9-3 is installed in the bypass on the exhaust gas side. The heat recovered is supplied to the heating network on the water side via the buffer cylinder return as a return temperature raising facility.

Heat generator:	Jenbacher JMS 412 B25 with 889 kW el.
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:	O8-GG-1046-MT-4-9-3 (year of manufacture: 2015)
Flue gas temperature:	approx. 300 °C (upstream of HE) ➔ approx. 100 °C (downstream of HE)
Coolant temperature:	approx. 70 °C (upstream of HE) ➔ approx. 80 °C (downstream of HE)
Heat recovery per year:	approx. 1,000,000 kWh
CO₂ reduction per year:	approx. 200,000 kg
Plant manufacturer:	BioConstruct GmbH, Wellingstraße 66, 49328 Melle, Germany

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

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