



REINHOLD GAILE ENERGY CENTRE

Im Ösch 10, 88299 Leutkirch im Allgäu, Germany

The heat contained in the exhaust gas of the biogas CHP unit is supplied to the heating system via a BOMAT O8-VG-10240-8-9-6 high temperature exhaust gas heat exchanger. The heat exchanger consists of one high temperature module and 7 condensing modules. Cleaning nozzles are also available. The heat exchanger is installed in the bypass on the exhaust gas side.

Heat source:	Schnell Genset type L12V21.1BO – 500 kWel
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-VG-10240-8-9-6 (year of manufacture: 2016)
Exhaust gas temperature:	approx. 470 °C (upstream of HE) ➔ approx. 75 °C (downstream of HE)
Coolant temperature (HT):	approx. 86 °C (upstream of HE) ➔ approx. 93 °C (downstream of HE)
Coolant temperature (LT):	approx. 57 °C (upstream of HE) ➔ approx. 66 °C (downstream of HE)
Heat recovery per year:	approx. 1,200,000 kWh
CO₂ reduction per year:	approx. 240,000 kg

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



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