

SEWER GAS CHP UNIT UTILISING CONDENSING TECHNOLOGY



LEIPHEIM SEWAGE PLANT

Hinter der Post 12, 89340 Leipheim, Germany

The Bomat AWR 01-GG-1522-NT-4-K-6 is installed on the exhaust gas side as a second downstream condensing heat exchanger. The heat recovered is fed into a buffer cylinder which supplies both the digestion tower and the site buildings with heat.

Heat source:	TEDOM Micro T30 AP
Fuel:	<input type="radio"/> Fuel oil <input type="radio"/> Natural gas <input checked="" type="radio"/> Sewer gas <input type="radio"/> Biogas
Exhaust gas heat exchanger:	01-GG-1522-NT-4-K-6 (year of manufacture: 2019)
Exhaust gas temperature:	approx. 180°C (upstream of HE) ➡ approx. 68°C (downstream of HE)
Coolant temperature:	approx. 50°C (upstream of HE) ➡ approx. 60°C (downstream of HE)
Heat recovery per year:	approx. 40,000 kWh
CO₂ reduction per year:	approx. 8,000 kg
Engineering design by:	Steinbacher-Consult Ingenieurgesellschaft mbH & Co. KG, Richard-Wagner-Straße 6, D- 86356 Neusäss, Germany

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

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