

UTILISING WASTE HEAT FROM AN ENAMELLING PLANT



OTTO SCHIMSCHA METALLBAU GMBH

Geranienstraße 12, 74747 Ravenstein-Erlenbach, Germany

A Bomat O2-GG-1064-MT-4-9-3 is installed in the bypass on the exhaust gas side. A fan is used to route the exhaust gas from the chimney to the Bomat exhaust gas heat exchanger. The thermal energy it contains is supplied to the heating system via a large buffer cylinder.

Heat generator:	Enamelling plant
Fuel:	<input type="radio"/> Fuel oil <input checked="" type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
Exhaust gas heat exchanger:	O2-GG-1064-MT-4-9-3 (year of manufacture: 2015)
Exhaust gas temperature:	approx. 250 °C (upstream of HE) ➔ approx. 60 °C (downstream of HE)
Coolant temperature:	approx. 40 °C (upstream of HE) ➔ approx. 50 °C (downstream of HE)
Heat recovery per year:	approx. 64,000 kWh
CO₂ reduction per year:	approx. 32,000 kg
Plant manufacturer:	Metz Haustechnik KG, Dieselstraße 14, 74653 Künzelsau-Gaisbach, Germany

➔ Estimated payback period **less than 5 YEARS.**

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