

UTILISING WASTE HEAT FROM A COATING PLANT



STUMPF METALL GMBH

Duisburger Straße 6, 57234 Wilnsdorf, 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 and to the coating plant's pretreatment station 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. 360 °C (upstream of HE) ➔ approx. 75 °C (downstream of HE)
Coolant temperature:	approx. 60 °C (upstream of HE) ➔ approx. 70 °C (downstream of HE)
Heat recovery per year:	approx. 220,000 kWh
CO₂ reduction per year:	approx. 52,000 kg
Plant manufacturer:	Erwin Rübsamen GmbH, Hauptstraße 96, 57074 Siegen, Germany T +49(0)271.66 116-0, info@ruebsamen.de

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



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