

HEATING

**TWO BUDERUS OIL BOILERS
UTILISING CONDENSING TECHNOLOGY**

REFERENCE PROJECT

**LAKE CONSTANCE THERMAL SPRINGS ÜBERLINGEN**

Bahnhofstraße 27, 88662 Überlingen

Installation of two BOMAT O8-GG-1024-NT-4-K-3 and O7-GG-1024-NT-4-K-3 flue gas heat exchangers in two Buderus SE725 and Buderus SE625 boilers results not only in natural gas savings, but also a reduction in noise emissions into the surrounding area. Depending on the operating conditions, the overall efficiency of the plant has improved by up to 10 %.

Heat generator:	Buderus SE725 and Buderus SE625
Fuel:	<input type="radio"/> Fuel oil <input checked="" type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
Flue gas heat exchanger:	O8-GG-1024-NT-4-K-3 and O7-GG-1024-NT-4-K-3 (year of manufacture: 2002)
Flue gas temperature:	approx. 175 °C (upstream of HE) ➔ approx. 65 °C (downstream of HE)
Coolant temperature:	approx. 40 °C (upstream of HE) ➔ approx. 50 °C (downstream of HE)
Heat recovery per year:	approx. 200,000 kWh (for both plants)
CO₂ reduction per year:	approx. 40,000 kg (for both plants)
Plant manufacturer:	Lausser Karl GmbH, Hauptstraße 20, 94372 Ratiszell, Germany

➔ Payback period **less than 5 YEARS.****BOMAT Heiztechnik GmbH**Zum Degenhardt 49
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