

## 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 %.

|   |  |
|---|--|
| <b>Heat generator:</b>                    | Buderus SE725 and Buderus SE625  |
| <b>Fuel:</b>                              | <input type="radio"/> Fuel oil <input checked="" type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas |
| <b>Flue gas heat exchanger:</b>           | O8-GG-1024-NT-4-K-3 and O7-GG-1024-NT-4-K-3 (year of manufacture: 2002)  |
| <b>Flue gas temperature:</b>              | approx. 175 °C (upstream of HE) ➔ approx. 65 °C (downstream of HE)   |
| <b>Coolant temperature:</b>               | approx. 40 °C (upstream of HE) ➔ approx. 50 °C (downstream of HE)  |
| <b>Heat recovery per year:</b>            | approx. 200,000 kWh (for both plants)  |
| <b>CO<sub>2</sub> reduction per year:</b> | approx. 40,000 kg (for both plants)  |
| <b>Plant manufacturer:</b>                | Lausser Karl GmbH, Hauptstraße 20, 94372 Ratiszell, Germany  |

➔ Payback period **less than 5 YEARS.****BOMAT Energiesysteme GmbH**

Zum Degenhardt 49 T +49(0)7551.80 99 70 info@bomat.de  
88662 Überlingen F +49(0)7551.80 99 71 www.bomat.de