

## HEATING

## A 2 MW BOILER UTILISING CONDENSING TECHNOLOGY

**FESTO AG & CO. KG,  
TECHNOLOGIEFABRIK SCHARNHAUSEN**

Plieninger Str. 50, 73760 Ostfildern, Germany

A BOMAT O8-GG-1046-NT-4-K-3 flue gas heat exchanger turns a 2000kW Bosch boiler type UT-L 16 with a Weishaupt dual fuel burner into a system that utilises condensing technology. Heat at a temperature ranging from 35°–55 °C is fed to the heating system via a Zortström manifold system.

<b>Heat generator:</b>	Bosch UT-L 16 (2,000kW)
<b>Fuel:</b>	<input type="radio"/> Fuel oil <input type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
<b>Flue gas heat exchanger:</b>	O8-GG-1046-NT-4-K-3 (year of manufacture: 2013)
<b>Coolant temperature:</b>	approx. 35 °C (upstream of HE) ➔ approx. 55 °C (downstream of HE)
<b>Heat recovery per year:</b>	approx. 300,000 kWh
<b>CO<sub>2</sub> reduction per year:</b>	approx. 60,000 kg (natural gas fired)
<b>Plant manufacturer:</b>	Windmüller Technik GmbH, Robert-Bosch-Straße 8, 74523 Schwäbisch Hall, Germany

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

**BOMAT Energiesysteme GmbH**

Zum Degenhardt 49 T +49(0)7551.80 9970 info@bomat.de  
88662 Überlingen F +49(0)7551.80 9971 www.bomat.de

