

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.

Heat generator:	Bosch UT-L 16 (2,000kW)
Fuel:	<input type="radio"/> Fuel oil <input type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
Flue gas heat exchanger:	O8-GG-1046-NT-4-K-3 (year of manufacture: 2013)
Coolant temperature:	approx. 35 °C (upstream of HE) ➔ approx. 55 °C (downstream of HE)
Heat recovery per year:	approx. 300,000 kWh
CO₂ reduction per year:	approx. 60,000 kg (natural gas fired)
Plant manufacturer:	Windmüller Technik GmbH, Robert-Bosch-Straße 8, 74523 Schwäbisch Hall, Germany

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

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