

NATURAL GAS

UTILISATION OF CONDENSING TECHNOLOGY
IN A BUDERUS NATURAL GAS CHP UNIT**BOSCH THERMOTECHNIK GMBH**

TETEC AG, Aspenhaustraße 18, 72770 Reutlingen, Germany

The BOMAT O2-GG-1032-MT-4-9-3 exhaust gas heat exchanger is installed as a condensing heat exchanger downstream of a Buderus Loganova EN 70 CHP unit. The heat is supplied to the heating system for return temperature raising.

Heat source:	Buderus Loganova EN 70
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-1032-MT-4-9-3 (year of manufacture: 2018)
Exhaust gas temperature:	approx. 110°C (upstream of HE) ➔ approx. 56°C (downstream of HE)
Coolant temperature:	approx. 47°C (upstream of HE) ➔ approx. 52°C (downstream of HE)
Heat recovery per year:	approx. 136,000 kWh
CO₂ reduction per year:	approx. 27,200 kg
Plant manufacturer:	Wiegel Gebäudetechnik GmbH, Albert-Ruckdeschel-Straße 11, 95326 Kulmbach, Germany

➔ Estimated payback period **less than 3 YEARS.**

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