NATURAL GAS

UTILISATION OF CONDENSING TECHNOLOGY IN A BUDERUS NATURAL GAS CHP UNIT

REFERENCE PROJECT

BOSCH THERMOTECHNIK GMBH

Geibeltbad Pirna, Rottwerndorfer Str. 56 C, 01796 Pirna, Germany

The BOMAT 03-GG-1032-MT-4-9-3 exhaust gas heat exchanger is installed as a condensing heat exchanger downstream of a Buderus Loganova EN 140 CHP unit. The heat is supplied to the heating system for return temperature raising.

Heat source:	Buderus Loganova EN 140
Fuel:	○ Fuel oil ● Natural gas ○ Sewer gas ○ Biogas
Exhaust gas heat exchanger:	03-GG-1032-MT-4-9-3 (year of manufacture: 2017)
Exhaust gas temperature:	approx. 110°C (upstream of HE) ➔ approx. 55°C (downstream of HE)
Coolant temperature:	approx. 43°C (upstream of HE) ➔ approx. 48°C (downstream of HE)
Heat recovery per year:	approx. 360,000 kWh
CO_2 reduction per year:	approx. 72,000 kg

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

MADE IN GERMANY

BOMAT Heiztechnik GmbH

Zum Degenhardt 49
88662 Überlingen

T +49 (0) 7551.80 99 70
F +49 (0) 7551.80 99 71

info@bomat.de
www.bomat.de

A member of the puren Group