

UTILISING CONDENSING TECHNOLOGY AFTER A FERMENTATION RESIDUE DRYING PLANT



BEHLING BIOENERGIE GMBH CO. KG

Bomes Weg 3, 49637 Menslage

The BOMAT O3-KK-1064-MT-4-9-6 condensing exhaust gas heat exchanger from the modular Profitherm series utilises the process exhaust air from an exhaust gas-driven fermentation residue drying plant. The heat recovered is supplied to the heating network on the water side via the fermenter return to raise the return temperature.

Heat source:	MTU BIOGAS BHKW 190 kW
Fuel:	☐ Fuel oil ☐ Natural gas ☐ Sewer gas ☒ Biogas
Exhaust gas heat exchanger:	O3-KK-1064-MT-4-9-6 (year of manufacture: 2022)
Exhaust gas temperature:	approx. 220°C (upstream of HE) ➡ approx. 65°C (downstream of HE)
Coolant temperature:	approx. 50°C (upstream of HE) ➡ approx. 55°C (downstream of HE)
Heat recovery per year:	approx. 320,000 kWh
CO₂ reduction per year:	approx. 64,000 kg
Plant construction:	BioBG GmbH, Webers Flach 1, 26655 Ocholt

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



 Mehr Erfolg mit effizienter Energie

MADE IN

GERMANY



BOMAT Energiesysteme GmbH

Zum Degenhardt 49
 88662 Überlingen

T +49 (0) 75 51.80 99 70
 F +49 (0) 75 51.80 99 71

info@bomat.de
 www.bomat.de