

THERMAL OIL BOILER

WASTE HEAT UTILIZATION
ON A THERMAL OIL BOILER**PUREN GMBH**

Reutlingendorfer Str. 15, 89611 Obermarchtal, Germany

The Bomat AWR 03M1064 is installed in the bypass on the flue gas side. The flue gases from the chimney are fed to the Bomat flue gas heat exchanger via a fan. The thermal energy it contains is made available to the heating system via a large buffer tank.

Heat source:	Thermal oil boiler 1250 kW
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:	AWR 03M1064 (year of manufacture: 2024)
Exhaust gas temperature:	approx. 170°C (upstream of HE) ➔ approx. 75°C (downstream of HE)
Coolant temperature:	approx. 55°C (upstream of HE) ➔ approx. 70°C (downstream of HE)
Heat recovery per year:	approx. 180,000 kWh
CO₂ reduction per year:	approx. 36,000 kg

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

**BOMAT Energiesysteme GmbH**

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