

CHP UNIT

SOKRATHERM CHP UNIT UTILISING
CONDENSING TECHNOLOGY**SCHLOSSBERGKELLEREI GMBH**

Im Mönchswasen 1, 75382 Althengstett, Germany

As a condensing heat exchanger, a BOMAT O1-GG-1522-NT-4-K-6 feeds the heat contained in the flue gas to the heating system, via a buffer cylinder system.

Heat generator:	Sokratherm GG50 CHP unit
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:	O1-GG-1522-NT-4-K-6 (year of manufacture: 2013)
Exhaust gas temperature:	approx. 160 °C (upstream of HE) ➔ approx. 75 °C (downstream of HE)
Coolant temperature:	approx. 40 °C (upstream of HE) ➔ approx. 55 °C (downstream of HE)
Heat recovery per year:	approx. 48,000 kWh
CO₂ reduction per year:	approx. 9,600 kg
Plant manufacturer:	Messerschmid GmbH, Im Breitenfeld 20, 79848 Bonndorf im Schwarzwald, Germany

➔ Estimated payback period **less than 4 YEARS.**

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