

CHP UNIT

NATURAL GAS CHP UNIT UTILISING CONDENSING TECHNOLOGY



REFERENCE PROJECT

BADRIA, SWIMMING POOL, SPORTS AND LEISURE CENTRE

Stadtwerke Wasserburg a. Inn, Alkorstrasse 14, 83512 Wasserburg am Inn, Germany

Two Hereus ME250 exhaust gas heat exchangers (O2-GG-1032-MT-4-9-3) are installed downstream of two Move MP250 CHP units to act as condensing heat exchangers. The heat recovered is used to preheat pool water.

Heat generator:	2 x Move MP 250 CHP units
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:	2 x Hereus ME 250 (O2-GG-1032-MT-4-9-3) (year of manufacture: 2014)
Exhaust gas temperature:	approx. 120 °C (upstream of HE) ➔ approx. 65 °C (downstream of HE)
Coolant temperature:	approx. 40 °C (upstream of HE) ➔ approx. 50 °C (downstream of HE)
Heat recovery per year:	approx. 420,000 kWh (for both CHP units)
CO₂ reduction per year:	approx. 84,000 kg (for both CHP units)
Plant manufacturer:	HAMO-KWK GmbH, Pfarrer-Huber-Ring 10, 83620 Feldkirchen-Westerham, Germany

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

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