

UTILISATION OF CONDENSING TECHNOLOGY IN TWO WOOD GAS CHP UNITST



NAHWÄRME VORCHDORF eGen

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At the Sattledt site in Austria, two wood gasification CHP units of type wp3.250 from vee GmbH are each equipped with a BOMAT exhaust gas heat exchanger O3-KK-1064-MT-4-9-6. The recovered heat is made available to the ventilation system on the water side as a return temperature increase for wood drying.

Heat source:	2x vee wp3.250 Holzgas
Fuel:	<input type="radio"/> Fuel oil <input type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas <input checked="" type="radio"/> Wood gas
Exhaust gas heat exchanger:	2x O3-KK-1064-MT-4-9-6 (year of manufacture: 2025)
Exhaust gas temperature:	approx. 120°C (upstream of HE) ➔ approx. 73°C (downstream of HE)
Coolant temperature:	approx. 63°C (upstream of HE) ➔ approx. 66°C (downstream of HE)
Heat recovery per year:	approx. 120,000 kWh (per system)
CO₂ reduction per year:	approx. 24,000 kg (per system)

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

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