

YOUR  
BENEFITS  
BY  
KOHLBACH



**KOHLBACH**

## DISTRICT HEAT GAMLITZ

### DOUBLE BOILER PLANT FOR DISTRICT HEATING

**Output:** 2.500 + 500 kW

**Year of construction:** 2009

**Fuel:** Wood chips

**Technology:** **Furnace K8 System:** Counter flow furnace with moving grate and water cooled compression zone

- Compact and yet fully adiabatic counter-flow furnace for optimised efficiency and lowest emissions even with very heterogeneous fuel material
- Equipped with hydraulic moving grate, also suitable for very wet and dirty fuels with high ash content, as well as for 100% wet bark
- Hydraulic fuel feed with shearing devices for fault-free feeding even with wet and rough fuel materials
- Reliable nominal power with all usable fuels and degrees of water content
- Reliable long operating life of the furnace thanks to full refractory lining and grate frame cooled with boiler water
- A pre-heated infeed zone fully cooled with boiler water to extend the operating life and improve the partial load operation, startup and shutdown behaviour.
- Rapid and simple installation thanks to pre-assembled modules

**Warm water boiler:**

- Long operating life
- Exemplary high efficiency
- Low maintenance
- Extended full-load runtimes between maintenance shut-downs due to large heating surfaces reserves

**Hydraulic loading using overhead crane and furnace infeed:**

- Extremely robust design
- Fault-free loading, even with very inhomogeneous fuels
- High operational reliability
- Individually tailored to customer requirements

**Automatic de-ashing** with transport container

**Electrostatic filter** for flue gas cleaning



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