

Reference No.: 3.12

Incinerator modification Rotary drum and thermal post-furnace chamber

The incinerator equipment facilitates thermal soil treatment. Contaminated soil is heated by a burner to approximately 550°C in the rotary drum using a reverse flow technique. Heating breaks down or vapourises the harmful components.

In a thermal post-furnace chamber the organic components of corrosive gases are oxidised into carbon dioxide and water.

In order to achieve an improvement in the mixing of corrosive gases and the incinerator exhaust gases a flame tube has been installed in the post-furnace chamber.

Both the cleansing effect and energy consumption can be optimised by regulating the fuel - air mixture (maintaining the optimum oxygen concentration in the equipment).

Furthermore the burner systems have been equipped with an electric fuel air system.

Technical data:

max. combustion performance per burner:	8,000 kW
Fuels:	Extra light Fuel oil, optionally natural gas
Control range:	1:10