

# TEE Waste Incinerator Units 50kg/h up to 500kg/h

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## The easy way to solve your waste problems!

### Easy to

- Transport
- assembly
- commission
- operate
- inside standard sea container
- flange connection
- cable set with plugs
- plug and burn philosophy

### Complete and safe combustion of liquid, solid, gaseous, hazardous and infectious waste.

Our system based on a standardized incinerator unit equipped with two burners to guarantee complete and efficient waste combustion @ temperatures up to 1250°C.

Several heat recovery systems are available to operate as efficient as possible.

Inside the filter unit flue gases are treated to enter atmosphere under local laws / regulation limits.

### Incinerator Types in acc. with DIRECTIVE 2000/76/EC

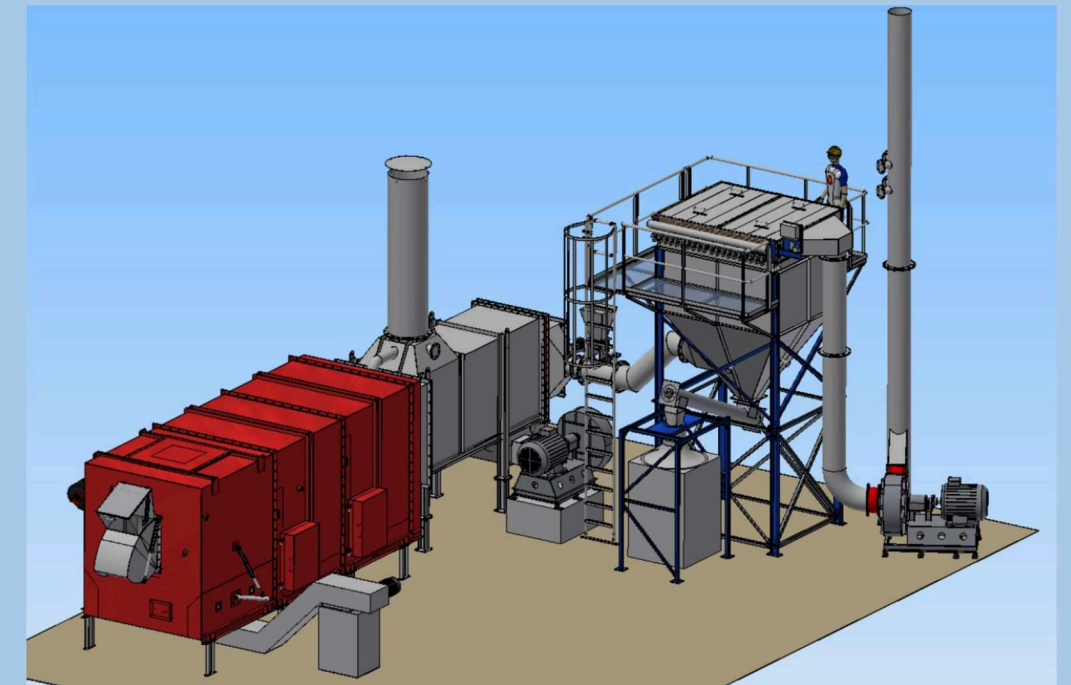
Type	Capacity[kg/h]	Capacity [kW]	Length[m]	Height[m]	Width[m]
TEE 50	50	250	3,0	2,0	1,8
TEE 100	100	500	4,0	2,5	2,1
TEE 200	200	1.000	5,8	2,5	2,1
TEE 300	300	1.500	7,8	2,5	2,1
TEE 500	500	2.500	10	2,5	2,1

### Heat recovery / cooler Types

Type	AIR / AIR cooler	Steam boiler / turbine	Thermo- oil system	Hot water boiler

### Technical Features

- Front and / or Top loader for safe and comfortable waste feeding.
- All incinerator units are equipped with grate system for stable and complete combustion.
- Castable lining made of high quality material to allow operating temperatures up to 1250 °C.
- Different heat recovery and flue gas cooler systems available / power generation / water treatment
- Filter units fitted with ceramic candles and dry sorption technology to keep required emission limits.
- Prepared to add optional equipment at later stage to improve handling comfort.



### Optional equipment for more comfortable incineration and multi- purpose use.

- Incinerator:**
  - conveyor belt for waste feeding, can be easily connected to the existing control box
  - deashing system at incinerator floor for continuous remove of ashes and inert material
  - boxes for dust accumulation at waste conveyor
  - pneumatic operated grate
  - shredder for solid waste
  - liquid waste injection system, based on storage tank, pumps station and spray nozzle
  - gaseous waste injection with special burner – nozzle system
- Filter unit:**
  - screw conveyor at filter bottom for dust transport
  - rotary valve at filter bottom
  - big bag station for dust collection and easy removal
  - heating trace to keep the filter body warm during shut down time
  - scrubber available if necessary
- Monitoring:**
  - Continuous emission measurement of relevant components like: CO, CO2, O2, NO, NOx, SO, SO2, Cl, NH3, metals, Furan, Dioxin.
  - Flow measurement of flue gases at stack
  - Oxygen measurement at stack or combustion chamber
  - dust measurement at stack to observe filter quality
- ID- fan:**
  - temperature measurement at bearing
  - Vibration measurement
- Compressor:**
  - compressor unit for air supply filter, feeding device, spray system, Capacity: 200 l/minute @ 8barg, motor power 10kw
- Generator:**
  - electric power feeding
- Modem:**
  - GSM modem or internet link for remote access / control to give best possible support at minimum cost