

PYROCLAST^{C6}

Waste conversion
Carbon creation



SPECIFICATION DATA

Mass flow rates available:

Pyroclast IC6
 6 to 40 tonnes (wet) per day
 4 to 24 tonnes (dry) per day

Availability:

Normal operation: 85%
 Preventative maintenance: 90%

Moisture content:

Moisture will reduce thermal energy available. The unit is designed for 20% moisture content (wet basis) but can take larger amounts.

Waste types:

- Biomass of many varieties
- Sorted municipal solid waste
- Clinical waste
- Thermally degradable hazardous waste

Thermal energy capacity

Using MSW with a 20% (wet basis) moisture content, thermal energy capacity is as follows:

6 w tonnes/day: 3 tpd
 40 w tonnes/day: 20 tpd
 100 w tonnes/day: 50 tpd

Footprint

Modules are built into a single 40ft high-lift container.



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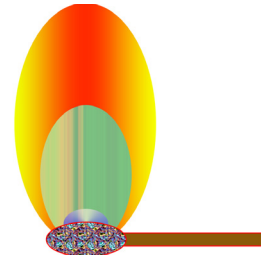
WHAT IT IS



OXIDATION

GASIFICATION

PYROLYSIS



HOW IT CAN BE USED - BASE CONFIGURATION



ASH

HOW IT CAN BE USED - CARBON CHAR CONFIGURATION



CARBON CHAR

HOW IT CAN BE USED - POWER CONFIGURATION



**ELECTRIC
 +
 ASH**

HOW IT CAN BE USED - STEAM CONFIGURATION



**STEAM
 +
 ASH**

