



ECO WASTE SOLUTIONS

Clean Burning Solutions Product Spotlight

ECO Model

technical **description**

Two Stage Process: 1st stage (Primary Chamber) burns waste and produces inert ash and combustible gases. 2nd stage Afterburner (Secondary Chamber) combusts the off-gases to eliminate smoke and minimize contaminants.

Cycle Time: 8-12 hours for oxidation, 6-10 hours for cool down and 1 hour for ash cleanout and reload. 24 hours per batch.

Controls: Integrated control panel complete with programmable logic control, supervisory control, monitoring, data acquisition and remote diagnostic capability with PC computer via modem.

Operating Environment: Inside a building or protected from the weather. Weather proofing options available.

Loading Options: Top or front load, integrated cart tipper, conveyor or manual.

Other Options: Air Pollution Control System (APCS) - Scrubber, Continuous Emissions Monitoring System (CEMS).

Warranty: 1 year after start-up on defective parts or workmanship.

technical **specifications**

External Casing/Finish: 1/4" (0.6 cm) mild steel, sandblasted and coated with rust inhibiting and heat resistant paint.

Burners: Electronic auto spark, packaged industrial burners, secondary burners modulate.

Fuel Supply Options: Diesel, Fuel Oil, JP8, Natural Gas, Arctic Diesel, Propane. Auxiliary waste oil burners can be added.

Operating Temperatures:

Primary Chamber: 1200°F (650°C) - 1560°F (850°C)

Afterburner: 1832°F (1000°C), with a 2 second retention time.

Power: Project specific. Requires highest available 3 phase voltage power supply, typically 460-575 V.

advantages

- Sized to meet your needs
- Reduces waste volumes by over 90%
- Smokeless and odourless
- Automatic process control
- Low operating and maintenance costs
- Once per day load and clean-out



acceptable **waste streams**

Community Waste
Camp Waste
Biomedical Waste



capacities

ECO Models	Waste Capacity	
	Domestic	Biomedical
Minimum	1 tonne/day	1 tonne/day
Maximum	10 tonnes/day	5 tonnes/day

- Each system is designed for specific waste composition, density, volume, and weight within the range stated above.
- Configuration can include 1 Primary Chamber or 2 Primary Chambers

