



# 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	<b>1 tonne/day</b>	<b>1 tonne/day</b>
Maximum	<b>10 tonnes/day</b>	<b>5 tonnes/day</b>

- 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

