



# CA Model

## technical **description**

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

**Cycle Time:** Burn cycle of 2-6 hours per batch depending on waste type and density. Followed by a 1-2 hour cool down. Average total cycle length is 5 hours.

**Controls:** Integrated control panel with programmable logic control, supervisory control, monitoring, data acquisition and remote diagnostic capability. PC computer workstation optional.

**Operating Environment:** Inside a building or protected from the weather. Weatherproofing options available.

**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 Temperature:**

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

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

**Power:** Typically 3 phase, 120/208 V, 60 Hz. Other power supply options available.

## advantages

- Available in 3 standard sizes
- Compact format
- Easily transportable
- Reduces waste volumes by over 90%
- Smokeless and odourless
- Automatic process control
- Low operating and maintenance costs



## acceptable **waste streams**

Community Waste  
Camp Waste  
Biomedical Waste



## capacities

Model		CA-50	CA-100	CA-600
Waste Capacity	Domestic Waste* lbs/batch	200	400	750
	Biomedical Waste** lbs/batch	120	240	450

\*Based on typical solid waste densities.

\*\*Based on typical biomedical waste densities.

