

Medical



C100 The most robust reliable and efficient incinerators available anywhere.
 The C100 medical incinerator is ideal for general clinical waste produced by hospitals and laboratories. With a burn rate up-to 100kg/hr.



The C100 is a high capacity clinical incinerator, designed to handle waste such as hazardous, laboratory or pharmaceutical. Having a front-loading design, enabling a safe and easy method for continuous loading of waste.

Biosecurity is a growing concern for hospitals across the globe, the implementation of an Addfield C100 can improve your ability to safely destroy contaminated waste.

The following information details the many features, specifications and optional equipment associated with our C100 incinerator.

Machine Specification	
External L x W x H (mm)	5025 x 2050 x 3600/5400
Internal L x W x H (mm)	3035 x 1170 Ø
Chamber Volume (m ³)	3
Weight (approx tonnes)	8.6
Nominal Burn Rate	<100
Thermal Capacity (kW)	640
Power Supply 50/60 hz	220 - 250v
Door Aperture	1170 Ø
Control Panel	PLC
Fuel Types	Diesel, LPG, N-Gas
Fire Brick (Alumina)	42.5%
Insulation Fire Brick	Grade E23

*We reserve the right to change the specification, dimensions and quality of materials from time to time, so long as the alteration is minor or an improvement to the said product.

Primary Chamber

- Fully insulated internal refractory lining, constructed from high grade refractory brick ensuring a self-supporting, interlocking arrangement.
- Fully interlocked, manually operated, access door.
- Waste ignition burner, temperature controlled on-off, complete with internal air fans.
- Combustion burner, temperature controlled on-off, complete with internal air fans.
- Primary combustion burner air fans with automatically controlled distribution to their designated area.
- Two temperature sensor mounting points.

Secondary Chamber

- Fully insulated internal refractory lining, constructed from high grade refractory brick and low thermal mass insulation.
- Secondary chamber burnout burner, temperature controlled on-off, complete with internal air fans.
- Integrated combustion burner air fans with automatically controlled distribution to their designated area.
- All combustion fuel pipework.
- All electrical components.
- One temperature sensor mounting point at the base of the exit flue ensuring the chamber reaches the necessary 1100°C minimum.

Waste Type		
	Clinical Waste	✓
	Treated Waste	✓
	Anatomical Waste	✓
	Cytotoxic & Cytostatic Waste	✓
	Offensive/Hygiene Waste	✓
	Medicinal Waste	✓
	Domestic (municipal) Waste	✓

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Waste Loading and De-Ashing

The C100 incinerator is designed for front loading only through the main access door. At the end of every incineration process, ash should be discharged through the loading door into the supplied catcher tray prior to being loaded for the next burn. When de-ashing the machine, make sure that all of the correct PPE is worn, this is to protect your self from the heat existing the machine.

The Addfield Difference

- Pre-fabricated 8mm & 10mm robust mild steel casing, seam welded and suitably stiffened/ braced where necessary.
- Lightweight resilient refractory fibre insulation lid, providing a tight seal, giving excellent thermal efficiency.
- Primary & secondary chamber lining, rated at 1650°C.
- Low thermal mass door lining, with removable roof and back plate for ease of maintenance.
- Paint finishing – The steel structures are painted using a two-pack high grade paint system.
- With a choice of an AI or PLC Controller, customisable programs can cut your operations times.
- A high quality module refractory lining, using fire bricks and insulation bricks, improving thermal efficiency.



Additional Operation Equipment



Bin Tipper

The safest way to load hazardous waste directly into top loading ram loaders. Hands free operation for up to 150kg, compatible with the majority of waste bins. Reliable hydraulically operated mechanism.



Ram Loader

Built to enable the option of continuous loading throughout operation. Securely positioning waste into the primary chamber whilst maintaining temperature and preventing radiant heat and thermal shock.



Venturi System

An advanced flue gas treatment system designed to further reduce dust, acid gasses, dioxins and furans. Highly effective the venturi is widely regarded as the leading treatment system in its field.

