

TB-AB MAX For complete disposal of medical waste.

Extra large incinerator for poultry, sheep, swine and butchery waste. Maintain your site biosecurity.



The TBAB-MAX (GM 4000) incinerator is designed for continuous or intermediary use, with burn rates of less than 250kg per hour dependent on the waste streams available to be incinerated and local laws to be adhered to. Our unique excess air control can increase or decrease the speeds of combustion. The unit will include a fully integrated afterburner chamber that will retain all gases inside for a minimum of 2 seconds at 850/1100°C prior to being released into the atmosphere allowing the machine to be EU emission compliant.

Machine Specification

External L x W x H (mm)	8348 x 4088 x 6003
Internal (at widest point) L x W x H (mm)	5270 x 1564 x 923
Chamber Volume (m ³)	7.0
Weight (approx tonnes)	16
Load Capacity (kg)	4000
Nominal Burn Rate (kg/hr)	<250
Power Supply 50/60 hz (Three Phase)	380 - 415 VAC
Thermal Capacity (kW)	1136-1420
Control Panel	AIC
Door Aperture	5270 x 1564
Fire Brick (Alumina)	42.5%
Fuel Types	Diesel, LPG, N-Gas
Insulation Board	25mm Super-wool
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

- Pre-cast block impact zone protecting refractory lining during loading.
- Heavily insulated internal brick refractory, constructed along an interlocking systems to ensure maximum strength and resilience.
- Premium grade high alumina content refractory brickwork delivering optimal thermal retention.
- Top loading counter balanced insulated access lid.
- Temperature controlled waste ignition burner automatic on-off, complete with internal air fans.

Secondary Chamber

- Fully insulated internal refractory lining. Constructed from high grade low thermal mass insulation.
- Temperature controlled Secondary chamber burnout burner with automatic on-off control, complete with internal air fans.
- Integrated combustion burner air fans automatically controlling distribution to designated areas.
- Temperature sensor mounting point at the top of the chamber, ensuring the chamber reaches the required 850°C minimum, with a 2 second retention time.

Recommended Waste Types

	Poultry & Chickens	✓
	Sheep & Lambs	✓
	Pigs & Sows	✓
	Goats	✓
	Cows & Cattle	✓

TB-AB

Designed and manufactured for complete disposal of agricultural waste.



Waste Loading and De-Ashing

The agricultural range of incinerators are designed for top loading directly into the primary chamber. Loading can be manual or mechanically through digger or hydraulic bin tipper. To be loaded no more than once per day prior to operation. The incineration process will reduce the waste to approximately 3% volume, ash. The ash should be removed before the following waste is loaded to ensure optimum burn rates. Optional de-ashing doors are available.

The Addfield Difference

- Pre-Fabricated 8mm & 10mm robust mild steel casing, seam welded and suitably stiffened/ braced where necessary.
- Optimised loading chamber for maximum operational capacity.
- Lightweight resilient refractory fibre insulated lid, providing a tight seal, giving excellent thermal efficiency.
- Counterweighted loading chamber lid for ease of use.
- Primary chamber lining thickness 180mm rated up-to 1450°C
- Premium paint finish - Steel structures are painted using a two pack high grade paint system.
- Multi-layered refractory lining using fire bricks and insulation bricks, improving thermal efficiency.



Additional Operation Equipment



Bin Tipper

The Bin Tipper unit empties waste within the bin using a unique electro-hydraulic mechanism that can lift and tip more than 150kg. Hands free loading ensures operators safety, when dealing with hazardous waste.



Fuel Tank

Allowing you to operate the incinerator in all locations as well as providing a backup to your traditional supply. Available in 1000 to 5000 litre capacity. Fuel can be safely stored and monitored in close proximity to your incinerator.



Control Panel

Specially designed control panels, to manage your incineration. Pre-programmed and able to be manually adjusted for optimal results. Push button and touch screen control with optional data logging system.

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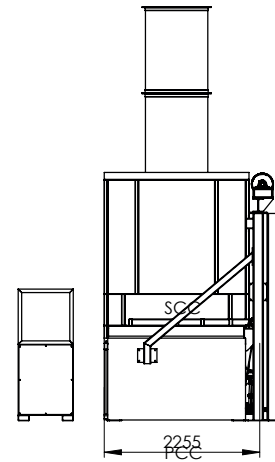
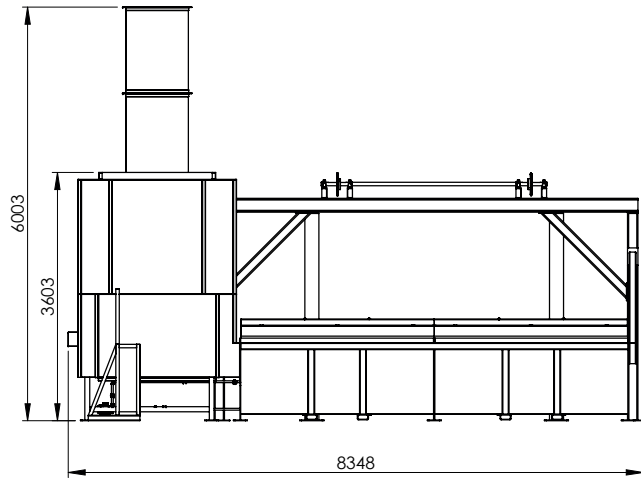
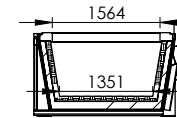
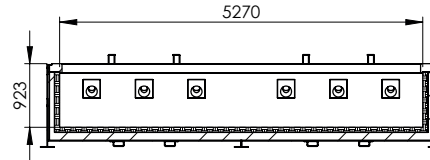
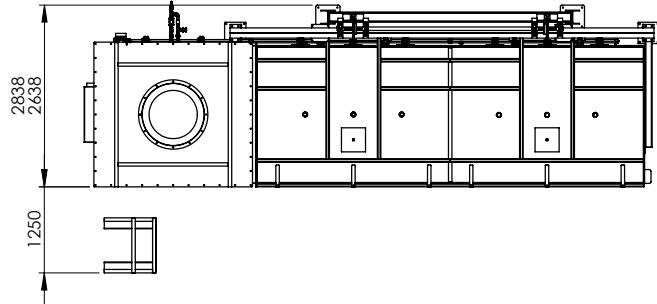
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PCC = 7.0m^3

MATERIAL:
N/A

FINISH:
N/A

WEIGHT: 0.00 Kg



THIRD ANGLE PROJECTION
(UNLESS STATED OTHERWISE)

TOLERANCES UNLESS OTHERWISE STATED

FABRICATION	MACHINING	ANGULAR
2 to 30 ± 1	0.5 up to 3 ± 0.05	up to 400 ± 45'
>30 up to 120 ± 2	>3 up to 6 ± 0.05	>400 up to 1000 ± 30'
>120 up to 400 ± 2	>6 up to 30 ± 0.1	>1000 ± 20'
>400 up to 1000 ± 3	>30 up to 120 ± 0.15	
>1000 up to 2000 ± 4	>120 up to 400 ± 0.2	
>2000 up to 4000 ± 6	>400 up to 1000 ± 0.3	
>4000 up to 8000 ± 8	>1000 up to 2000 ± 0.5	
>8000 up to 120000 ± 10	>2000 up to 4000 ± 0.5	
>12000 up to 160000 ± 12		
>160000 up to 200000 ± 14		
>200000 ± 16		



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PROJECT:

TB AB MAX

TITLE:

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DRAWING No.

59-01-02

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SCALE: 1:75

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