

The Hurikan 1000



The Hurikan 1000 is built using our market leading unique hearth bar technology. With an impressively large main incineration chamber, the Hurikan 1000 has above and below hearth burners and can hold a significant amount of animal waste in one load. The Hurikan 1000 has a proven capability of managing high capacity throughputs of a wide range of organic waste material. The Hurikan 1000 is the best selling model in our Hurikan range and is used by governments worldwide. The Hurikan 1000 is available as a static or mobile unit and with a burn rate of up to 1000kg* (1 tonne) per hour, this model provides an excellent solution for on farm use where a rapid biosecure disposal solution is required.

Machine Construction:

Integral to each model in the Volkan Range is the unique Waste Spectrum monolithic casting system:

- Ensures maximum strength and reliability in comparison to bricked linings
- Materials expand and contract at the same rate as opposed to bricks and mortar
- Prevents animal fats penetrating the lining which prolongs the life of the incinerator
- Insulating board is used to reduce heat loss
- Maintains an even working temperature for the refractory
- Our Stainless Anchor System maintains the integrity of the lining



Fully Transportable

Features:

- Easy operation, full training provided.
- Mechanical or manual loading possible.
- Fully automated and remote-controlled top-loading door: open/close/clamp operation.
- Market leading unique hearth bar technology allows fast and complete incineration.
- Pulse fired burners are in both the main chamber and after chamber. With 5 burners in the main chamber, 2 above the hearth bars and 3 below, maximising throughput. Additionally, 2 burners are in the secondary chamber.
- High Capacity up to 1000kg/hr* burn rate enables fast disposal of waste.
- In the event of disease outbreak the incinerator can be operated and waste loaded within 2 hours of arrival on site providing swift containment.
- Ash doors, as standard, allows fast and efficient ash removal whilst in operation removing downtime.
- Temperature controlled pulse fired burners for optimal efficiency.
- Low thermal mass linings for minimal heat loss.
- Fully programmable touch HMI control panel with automatic burner shut off function and rapid ignition pulse fired burners for low running costs.
- Remote monitoring of the control system, enabling Waste Spectrum to support and monitor the incinerator during operation.
- Multiple channel thermocouple data logger built in to PLC.
- Can be loaded whilst in operation maximising the inherent thermal efficiency of our monolithic lining.
- A stainless steel, single skin exhaust stack is supplied as standard.
- Available as a static or mobile system.
- Mobile system is supplied with fuel tank, generator safety platform ladder, storage facility and ash rake.
- Electric Supply - mobile version supplied with generator. Static option works on a single phase 16 Amp 230 Volt supply, fitted with a 3 pin Euro plug.

The Hurikan 1000 Specifications



Specification - Metric	Unit	Hurikan 1000
Burn Rate	Up to kg/hr	1000
Front / Top Load		Top
Static Operational Dimensions (LxWxH)	m	11.1 x 2.8 x 5.8
Mobile Operational Dimensions (L x W x H)	m	12.4 x 2.8 x 5.3
External Height - Static	mm inc. Stack	5785
External Height - Static	mm ex. Stack	2828
Weight	Tonne	20.5
Mobile Weight	Tonne	26
Concrete Pad Size (L x W)	m	14.5 x 6.0
Fuel Consumption	Diesel - LPH	47 - 66
Fuel Consumption	LPG - LPH	69 - 99
Fuel Consumption	Nat Gas m ³ /h	47 - 66
Hearth Bars		60
Load Door Width	mm	3905
Load Door Height/Depth	mm	1880
Door Opening (W x H)	mm	3905 x 1880
Chamber Size (LxWxH)	m	3.9 x 1.9 x (1.5 - 2.2)
Chamber Actual Volume	m ³	10.92
Chamber Load Volume	m ³	6.5
Chamber Load Capacity	kg	3580
Std Stack Diameter	mm	625
No. Main Burners		5
No. Secondary Burners		2
Burner Output kW	kW	1106
Electric Consumption	kW	2.25

Specification - Imperial	Unit	Hurikan 1000
Burn Rate	Up to lbs/hr	2205
Operational Dimensions (LxWxH)	Feet	36'5" x 9'3" x 18'12"
External Height	ft inc. stack	18'12"
External Height	ft ex. stack	9'3"
Weight	lbs	45159
Mobile Weight	lbs	57321
Chamber Actual Volume	ft ³	385.64
Chamber Load Volume	ft ³	229.47
Chamber Load Capacity	lbs	7894
Burner Output	Btu	3773829
Fuel Consumption	Diesel US GPH	12.4 - 17.5
Fuel Consumption	LPG US GPH	17.5 - 26.2
Fuel Consumption	Nat Gas ft ³ /h	1656 - 2341

Ideally Suited For:

- A wide range of animal carcasses
- Abattoir waste
- Emergency response
- High capacity

Custom Built Solutions:

- Custom Built Solutions Available
- All specifications are based on the standard Hurikan 1000 model and may not be representative of the model variant displayed.

