

# The Hurikan 500 G



For those looking for simplicity, combined with a high-capacity and \*high burn rate, the Hurikan 500 G is the ideal incineration solution for general waste management. The top-loading design, with an easily manoeuvrable sliding lid, allows users to optimise the space available in the large main chamber. The Hurikan 500 G is utilised across various industries such as the hospitality, manufacturing and mining, due to its ability to easily manage the disposal of a range of \*\*general waste types, such as food waste, cardboard and plastics. \*Higher burn rates are dependent on efficient usage and waste type. This may be subject to your local regulations. Speak to a member of our team for more information.

As with all models in the Hurikan Range, the Hurikan 500 G is supplied with an integral secondary chamber, ensuring it fully conforms to EU By-Products Regulation (ABPR) (EC) No 142/2011, DEFRA Regulations and many other legislative bodies around the world.\*\*Due to the nature of the waste streams and dependent upon local legislation, it may be necessary to include additional emissions control or additional filtration and if required the Waste Spectrum team will provide additional information and support.

## Key Features:

- The Hurikan 500 G's low thermal mass monolithic lining uses concrete specifically graded to manage the abrasive nature of general waste incineration
- Top loading design with manual easily moveable slide Open/Close lid or optional automatic opening lid.
- Market leading unique hearth bar technology allows for fast and complete incineration
- Pulse fired burners both above and below the hearth bars maximises throughput. Four burners are located in the main chamber, with one above the hearth bars and three below. One additional burner is located in the after chamber.
- \*High burn rate of up to 500kg/1103 lbs an hour enables fast disposal of waste
- Ash doors, as standard, allows fast and efficient ash removal whilst in operation removing downtime
- Fully programmable touch screen HMI control panel with automatic burner shut off function and rapid ignition burners for low running costs
- PLC timer controls with automatic burner shut off function and rapid ignition burners for low running costs
- Can be loaded whilst in operation maximising the inherent thermal efficiency of our monolithic lining

## Ideally Suited For:

- Hotel waste
- Remote camp waste
- Manufacturing waste
- Municipal waste (MSW)
- Mining waste
- Food Production Waste

## Optional Features:

- Mobile, Skid Mounted or Transportable Options Available
- Ash Rake
- Stack Extension
- Automated Lid
- Heat Exchanger



\*Image depicts Hurikan 500 with optional automated lid

# The Hurikan 500 G Specifications



Specifications	Unit - Metric		Unit - Imperial	
Burn Rate	Up to kg/hr	500	Up to lbs/hr	1103
Front / Top Load		Top		Top
Static Operational Dimensions (LxWxH)	m	6.1 x 2.8 x 5.6	feet/inch	19'10" x 9'2" x 18'5"
External Height - Static	mm *inc. Stack	5615	feet/inch inc. Stack	18'5"
External Height - Static	mm *ex. Stack	2784	feet/inch ex. Stack	9'2"
Weight	Tonne *estimated	12.2	lbs	26897
Concrete Pad Size (L x W)	m *recommended	8.0 x 6.0	feet/inch	26'3" x 19'8"
Fuel Consumption Diesel	LPH *est during main burn	22 - 31	GPH*est during main burn	5.8 - 8.2
Fuel Consumption LPG	LPH *est during main burn	32 - 46	GPH*est during main burn	7.7 - 12.2
Fuel Consumption Nat Gas	m <sup>3</sup> /h *est during main burn	22 - 31	ft <sup>3</sup> /h*est during main burn	774 - 1094
Hearth Bars		30		30
Load Door Opening (W x H)	mm *area	1955 x 1880	ft/inch *area	6'5" x 6'2"
Chamber Size (LxWxH)	m	2.0 x 1.9 x (1.5-2.2)	ft/inch	6'5" x 6'2" x (4'11" - 7'3")
Chamber Actual Volume	m <sup>3</sup>	5.30	ft <sup>3</sup>	187
Chamber Load Volume	m <sup>3</sup>	3.13	ft <sup>3</sup>	110
Chamber Load Capacity	kg	860	lbs	1896
Std Stack Diameter	inch/mm *2D Size	540mm	inch *2D Size	540mm
No. Main Burners		4		4
No. Secondary Burners		1		1
Burner Output	kW *heat	517	Btu *heat	1,764,077
Electric Consumption	kW *electricity	1	kW *electricity	1

## The Waste Spectrum Way:

Here at Waste Spectrum, we do things a little differently.

- Each machine is hand crafted by our team of industry experts at our workshop in the Heart of England.
- Integral to our machines quality is the monolithic casting system, a technology that is unique to the Waste Spectrum brand. The monolithic casting system ensures maximum strength and reliability as the materials can expand and contract at the same rate, unlike brick lined machines. The insulation board reduces heat loss and the stainless anchor system maintains the integrity of the lining.
- The Waste Spectrum monolithic casting system ensures the longevity and reliability of our machines, as they can achieve high temperatures without posing risk to the machines structural integrity.
- Behind the Waste Spectrum brand is a team of experts who are always on hand to discuss any queries or questions that you may have about incineration.



Image illustrates suggested loading method