

# The Volkan 1000



For those requiring a reliable and versatile, large capacity incinerator suitable for the management of larger pig carcasses, abattoir waste and slaughterhouse waste, the Volkan 1000 is the ideal solution. It's top loading design and main chamber load capacity of 520 kg/1147 lbs, enables this machine to effectively deal with the daily throughputs of a wide range of pig and slaughterhouse operations.

As with all models in the Volkan Range, the Volkan 1000 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.

## Key Features:

- Low thermal mass monolithic lining
- Top loading design provides easy access to the main chamber via a counterbalance lid
- Two pulse fired burners located in main chamber and one located in the after chamber for optimum efficiency
- PLC timer controls with automatic burner shut off function and rapid ignition pulse fired burners for low running costs
- Burns up to 50kgs/111 lbs an hour
- Can be loaded whilst in operation, maximising the inherent thermal efficiency of our monolithic lining
- Ash door as standard for easy removal of ash at a convenient time

## Ideally Suited For:

- Pigs and Sows – Any Size
- Sheep – Rams, Ewes, Lambs
- Goat
- Abattoirs and Slaughterhouses
- Rendering plants
- Meat processing plants

## Optional Features:

- USB Data Logger
- Stack Extension
- Heat Exchanger



# The Volkan 1000 Specifications



Specifications	Unit - Metric		Unit - Imperial	
Burn Rate	Up to kg/hr	50	Up to lbs/hr	111
Front / Top Load		Top		Top
Static Operational Dimensions (LxWxH)	m	3.2 x 3.0 x 3.3	feet/inch	10'6" x 9'9" x 10'8"
External Height - Static	mm *inc. Stack	3262	feet/inch *inc. Stack	10'8"
External Height - Static	mm *ex. Stack	2108	feet/inch *ex. Stack	6'11"
Weight	Tonne *estimated	3.1	lbs *estimated	6835
Concrete Pad Size (L x W)	m *recommended	5.2 x 5.0	feet/inch	17'1" x 16'4"
Fuel Consumption Diesel	LPH *est during main burn	7 - 10	GPH *est during main burn	1.9 - 2.6
Fuel Consumption LPG	LPH *est during main burn	10 - 15	GPH *est during main burn	1.8 - 4.0
Fuel Consumption Nat Gas	m <sup>3</sup> /h *est during main burn	7 - 10	ft <sup>3</sup> /h *est during main burn	250 - 354
Hearth Bars		No		No
Load Door Opening (Width x Height/Depth)	mm *area	2166 x 866	ft/inch *area	7'1" x 2'10"
Chamber Size (LxWxH)	m	2.2 x 0.9 x 1.1	ft/inch	7'1" x 2'10" x 3'7"
Chamber Actual Volume	m <sup>3</sup>	1.80	ft <sup>3</sup>	64
Chamber Load Volume	m <sup>3</sup>	0.93	ft <sup>3</sup>	33
Chamber Load Capacity	kg	520	lbs	1147
Std Stack Diameter	inch/mm *2D Size	14"	inch *2D Size	14"
No. Main Burners		2		2
No. Secondary Burners		1		1
Burner Output	kW *heat	167	Btu *heat	569,828
Electric Consumption	kW *electricity	0.3	kW *electricity	0.3

## 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.



Open Chamber View



Air Vent View