

# The Volkan 150 M



Small in stature but mighty in ability, the Volkan 150 M is the ideal incineration solution for those with small yet regular medical and clinical waste incineration requirements. The Volkan 150M is an excellent choice for first time buyers looking to explore incineration as a bio-secure and effective medical waste disposal method or for those looking to add to their range of machines.

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.

As with all models in the Volkan Range, the Volkan 150M 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:

- The Volkan 150 M's monolithic lining uses concrete specifically graded for Medical and Clinical waste types
- Concrete Lintel on the flip lid, protecting against damage and ensuring the longevity of the incinerator
- Easy to operate
- Top loading counterbalance lid, providing efficient access to the main chamber
- Low thermal mass linings for minimal heat loss
- PLC timer controls with automatic burner shut off function and rapid ignition pulse fired burners for low running costs
- Burns up to 50kgs/111lbs an hour
- Can be loaded whilst in operation, maximising throughput whilst utilising the inherent thermal efficiency of our monolithic lining

## Ideally Suited For:

- Type 4 pathological waste (red bag)
- Surgical waste
- Needles
- Sharps bins
- Bandages / dressings / tissues / bedding
- Blood / plasma
- Body parts/ flesh
- Laboratory waste
- Samples and test tubes

## Optional Features:

- Mobile Options Available
- Metal Hearth
- Ash door
- Ash rake
- Stack Extension
- USB Data Logger
- Heat Exchanger



# The Volkan 150 M 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 *inc Standard Stack	1.4 x 1.4 x 2.8	feet/inch *inc Standard Stack	4'8" x 4'5" x 9'0"
External Height - Static	mm *inc. Stack	2751	feet/inch *inc. Stack	9'0"
External Height - Static	mm *ex. Stack	2323	feet/inch *ex. Stack	7'7"
Weight	Tonne *estimated	0.826	lbs *estimated	1822
Concrete Pad Size (L x W)	m *recommended	3.5 x 3.5	feet/inch *recommended	11' 6" x 11' 6"
Fuel Consumption Diesel	LPH *est during main burn	4 - 6	GPH *est during main burn	1.1 - 1.5
Fuel Consumption LPG	LPH *est during main burn	5 - 8	GPH *est during main burn	0.6 - 2.2
Fuel Consumption Nat Gas	m <sup>3</sup> /h *est during main burn	4 - 6	ft <sup>3</sup> /h *est during main burn	141 - 199
Metal Hearth		Optional		Optional
Load Door Opening (Width x Height / Depth)	mm *area	625 x 380	ft/inch *area	2'1" x 1'3"
Chamber Size (LxWxH)	m	0.7 x 0.6 x 0.6	ft/inch	2'5" x 2'1" x 2'1"
Chamber Actual Volume	m <sup>3</sup>	0.26	ft <sup>3</sup>	9
Chamber Load Volume	m <sup>3</sup>	0.17	ft <sup>3</sup>	6
Chamber Load Capacity	kg	100	lbs	221
Std Stack Diameter	inch/mm *2D size	8"	inch *2D size	8"
No. Main Burners		1		1
No. Secondary Burners		1		1
Burner Output kW	kW *heat	94	Btu *heat	320,741
Electric Consumption	kW *electric	0.2	kW *electric	0.2

## 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.



Optional: Ash Door



Internal Chamber View