



Volkan 450

The Volkan 450 is a DEFRA 'Type Approved' medium capacity incinerator designed as a purpose built model for free range and intensive broiler operations in the poultry sector. All models in the Volkan Range are supplied with integral secondary chambers and fully conform to EU By-Products Regulation (ABPR) (EC) No 142/2011.

Designed, engineered and manufactured at our Worcester production facility in the UK the Volkan 450 incinerator is built using our market leading unique hearth bar technology.

Manufactured as standard with seven or nine, our unique configurable hearth bar system will allow you to fully configure the number of hearth bars you use in your machine based on the waste type. Delivered with a total

of 14 hearth bars, you will have between five and seven spares as standard.

With above and below hearth burners this model is capable of managing low and *high capacity throughputs. The Volkan 450 is perfect for adapting to the variable throughput of a broiler operation either for managing day to day mortality or whole building clean down after emptying.

Ideally Suited For:

- Broiler growing operations
- Free range chicken units
- Commercial layer producers

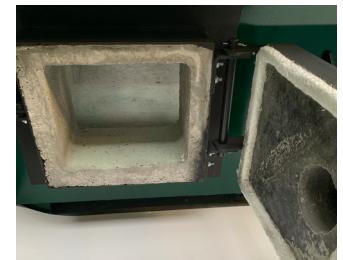
Machine Construction

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



The unique hearth bar technology allows for efficient incineration from above and below.



Ash doors, as standard, allows fast and efficient ash removal whilst in operation.



A wide chamber will help to maximise load capacity and allow for easier loading.

Hearth bars expertly designed to ensure productive ash shedding and ideal air flow for a highly efficient burn.

For more information contact:

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www.wastespectrum.com

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SPECIFICATIONS

Burn rate	UP TO 50kg/hr*
Front or top loading	TOP
Overall size (L x W x H)	3.4 x 3.0 x 3.3
Fuel consumption	
Diesel	10 - 13 litres per hours
LPG	14 - 20 litres per hour
Fire bars	Yes
External height (excluding standard stack)	2186 mm
External height (including standard stack)	3340 mm
Standard stack diameter (2D Size)	16"
Door opening (W x H)	2148 x 1060 mm
Load height	1256 mm
Chamber size (L x W x H)	2.1 x 1.1 x 0.5 m
Chamber volume	1.14 m ³
Chamber load volume	0.19 m ³
Chamber load capacity	510kg/m ³
Chamber capacity	630kg/m ³
Total weight	3.6 Tonne
Concrete pad size (L x W)	5.4 x 5.0
Electrical supply requirements	Single phase 16A 230VAC 50/60Hz
Burner output (KW)	197
Electric consumption (KW/hr)	0.35

Features

- Tri-Zone temperature control monitoring enables optimal fuel usage and air control
- Unique configurable hearth bar system with 14 bars as standard
- Easy to operate – Full training provided
- Top loading design provides easy access via a counterbalance lid
- Temperature controlled pulse fired burners above and below the hearth bar for optimal efficiency
- Market leading unique hearth bar technology allows for fast and complete incineration
- Low thermal mass linings for minimal heat loss
- Pulse fired burners, above and below hearth maximises throughput
- PLC timer controls with automatic burner shut off function and rapid ignition pulse fired burners for low running costs
- Can be both 50kg per hour burn rate or above *depending on local regulation
- Can be loaded whilst in operation, maximising the inherent thermal efficiency of our monolithic lining
- Ash doors as standard
- Electrical Supply – works on a single phase 16 Amp 230-volt supply, fitted with a 3 pin round Euro plug
- A stainless steel, single skin exhaust stack is supplied as standard

Ask about our custom built solution

Available as a HIGH CAPACITY model

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