

# Volkan500 PC



The Volkan 500 PC is a DEFRA 'Type Approved' purpose built front loading pet cremation incinerator for the disposal of individual large pet carcasses and multiple small and medium pet carcasses. 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 500 PC is one of our most popular cremation models that is practical to manage, highly efficient with multiple fuel options and requiring little supervision.

Based on our experience of the sector and our close working relationships with operators and their day to day requirements there are also optional extras available suited for the specific needs of the pet cremation industry. We understand how APHA and Planning Departments work and have helped many customers to overcome stressful form-filling.

The Volkan 500 PC is an ideal option for pet crematoriums and for veterinary practices and veterinary hospitals where pet carcasses can be incinerated on site along with clinical waste.



Load Trolley



Load Winch

## 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

## Ideally Suited For:

- Individual large pet carcasses
- Multiple small and medium pet carcasses
- Pet Cremation Services
- Veterinary Clinics

For more information contact:

+44(0)1905 362 100 [www.wastespectrum.com](http://www.wastespectrum.com)



# Volkan 500 PC



## Features

- Easy to operate – Full training provided
- Front loading design provides easy access and is ideally suited for individual carcasses
- Temperature controlled pulse fired burners for optimal efficiency
- Low thermal mass linings for minimal heat loss
- Higher grade tradesman concrete ideal for pet cremation with an increased temperature range comes as standard
- PLC timer controls with automatic burner shut off function and rapid ignition pulse fired burners for low

### running costs

- Burns up to 50kgs an hour
- Static or mobile options available – subject to local load value regulations
- Can be loaded whilst in operation, maximising the inherent thermal efficiency of our monolithic lining
- 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

## Specifications

Specification - Metric	Unit	Volkan 500
Burn Rate	Up to kg/hr	50
Front / Top Load		Front
Static Operational Dimensions (LxWxH)	m	2.6 x 1.6 x 5.1
External Height - Static	mm inc. Stack	5069
External Height - Static	mm ex. Stack	2019
Weight	Tonne	2.7
Mobile Weight	Tonne	
Concrete Pad Size (L x W)	m	4.6 x 3.6
Fuel Consumption	Diesel - LPH	6 - 9
Fuel Consumption	LPG - LPH	8 - 13
Fuel Consumption	Nat Gas m <sup>3</sup> /h	6 - 9
Hearth Bars		No
Load Door Width	mm	894
Load Door Height/Depth	mm	706
Door Opening (W x H)	mm	894 x 706
Chamber Size (LxWxH)	m	1.8 x 0.9 x 0.7
Chamber Actual Volume	m <sup>3</sup>	1.16
Chamber Load Volume	m <sup>3</sup>	0.47
Chamber Load Capacity	kg	260
Std Stack Diameter	inch	10
No. Main Burners		1
No. Secondary Burners		1
Burner Output kW	kW	147
Electric Consumption	kW	0.25

Specification - Imperial	Unit	Volkan 5
Burn Rate	Up to lbs/hr	111
Operational Dimensions (LxWxH)	Feet	8.4 x 5.3 x 16.6
External Height	inch inc. stack	199.57
External Height	inch ex. stack	79.49
Weight	lbs	5953
Chamber Actual Volume	ft <sup>3</sup>	40.95
Chamber Load Volume	ft <sup>3</sup>	16.58
Chamber Load Capacity	lb/ft <sup>3</sup>	16
Burner Output	Btu	501585
Fuel Consumption	Diesel US GPH	1.6 - 2.3
Fuel Consumption	LPG US GPH	1.5 - 3.5
Fuel Consumption	Nat Gas ft <sup>3</sup> /h	220 - 311

### Ask about our custom built solutions

\*All specifications are based on the standard Volkan 500 model and may not be representative of the model variant displayed. For further information please speak to our team.