

# VOLKAN™

HIGH-EFFICIENCY INCINERATORS



waste  
spectrum

## VOLKAN 150E series

compact animal  
carcass incinerator

VOLKAN is a range of highly efficient incineration units for the disposal of all types of animal carcass. They are robust, constructed using high quality materials and are available in a range of capacities and burn rates to suit every disposal problem. The VOLKAN 150E is compact yet powerful and featuring an integral after-burner, is fully compliant with European legislation.

It is ideal for the disposal of poultry, individual sheep and medium-sized animal carcasses.



[www.VOLKANincinerators.com](http://www.VOLKANincinerators.com)

# VOLKAN 150E series advanced animal carcass incinerator

## Why choose the VOLKAN 150E?

The VOLKAN 150E is specifically designed for the incineration of:

- Sheep carcasses
- Poultry carcasses
- Medium-sized pet animal carcasses (cats & medium-sized dogs)
- Farm shop and abattoir waste

## Economic and reliable

The VOLKAN 150E is compact, fuel efficient and easy to run, DEFRA 'Type Approved' incinerator, designed to achieve its optimum incineration temperature quickly. It is the ideal solution for low volume incineration.

Constructed from high quality materials in the UK, it comes with one year's free warranty.

## Efficient and easy to use

The VOLKAN 150E is an easy to use, top-loading incinerator. With a load capacity of 150kg, it is ideal for farmers needing to dispose of smaller waste volumes, up to that of a sizeable ewe. The operator simply loads the animal carcass into the main chamber and commences a burn programme. The incinerator can then be left unattended until the carcass has been reduced to ash. It is highly efficient, utilising automatic high heat-rate burners, low thermal mass linings and timer controls that ensure minimal running costs; a thermostat triggers burner shut-off when optimum temperatures are reached, increasing fuel efficiency significantly. The model is designed to use the inherent fuel properties within animal fat that aid combustion. With a burn rate of up to 50kg per hour, the VOLKAN 150E has low capacity status requiring no planning permission for farm usage. Easily installed on site, it simply requires concrete hard-standing and a 240-volt electricity & fuel supply. A comprehensive operating, care & maintenance manual is provided with each incinerator.

## Cleaner emissions and legislation compliant

The VOLKAN 150E is fitted with an after-burner which is integral to the incinerator. The gas temperature reaches 850°C rapidly and is maintained until the end of the main burn cycle. This, along with a 3m chimney, highly efficient automatic burners and timer controls ensures cleaner emissions and compliance with European emissions legislation ABPR 1069/2009.

### VOLKAN 150E series options

<b>Fuel use options</b>	Diesel, LPG Natural Gas, Bio Gas
<b>Mounting</b>	Floor Mounted Trailer Mounted

For more information contact:  
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## Why use incineration?

- Efficient, low-cost disposal
- Bio-security – no carcass transfers
- Simple on-site installation
- Controlled environmental emissions
- Low maintenance costs



## VOLKAN 150E – specifications at a glance

<b>Chamber Volume</b>	0.28m <sup>3</sup>
<b>Load Capacity</b>	up to 150kg
<b>Load Method</b>	Top
<b>Fuel Options</b>	Diesel, LPG, Natural Gas, Bio-fuel
<b>Electricity Supply</b>	230 volt required
<b>Weight</b>	1.2 tonnes
<b>Fuel Consumption (Typical)*</b>	LPG: 6 to 8 litres per hour Natural Gas: 7 to 9 Nm <sup>3</sup> /hr Diesel: 4 to 6 litres per hour
<b>Dimensions</b>	1.36m(l) x 1.2m(w) x 2.92m(h)

\*Figures based on typical figures gained from an average burn cycle. Waste Spectrum Environmental Ltd continually strives to improve its products and therefore reserves the right to introduce modifications to their product range without notice.

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# VOLKAN 150E series

## technical specifications

### Model and Overview

Volkan 150E – a compact yet powerful incinerator, ideal for low volume incineration.

### Waste Type and Burn Rate

Designed specifically for use by poultry farmers, small sheep farm owners, game keepers, abattoirs and for pet cremation. The incinerator will burn up to 50kg of waste per hour.

### Construction

Mild steel welded fabrication consisting of sheet steel and structural section supports.

### Lining

Monolithic high grade refractory concrete with high grade insulation backing.

### Burner/Burners

Fully automatic, high-efficiency burners with electronic ignition, flame recognition and combustion control devices fitted.

### Loading – Ash removal

Manual ash removal from the primary chamber. (Ash doors are available on request).

### Exterior finish

Multi-coat high quality, high-temperature aluminium enamel top coat paint, finished in silver.

### Control

Fully automatic sequential control provided by internal PLC system providing control of:

1. Secondary chamber pre-heat
2. Burn cycle (variable)
3. Cool down cycle

### Fuel Options

Diesel, LPG, Natural or Bio Gas.

### Typical Fuel Consumption\*

Diesel: 4 / 6 litres per hour  
Liquid Propane Gas: 6 / 8 litres per hour  
Natural Gas: 7 / 9 Nm<sup>3</sup> per hour

### Electrical supply

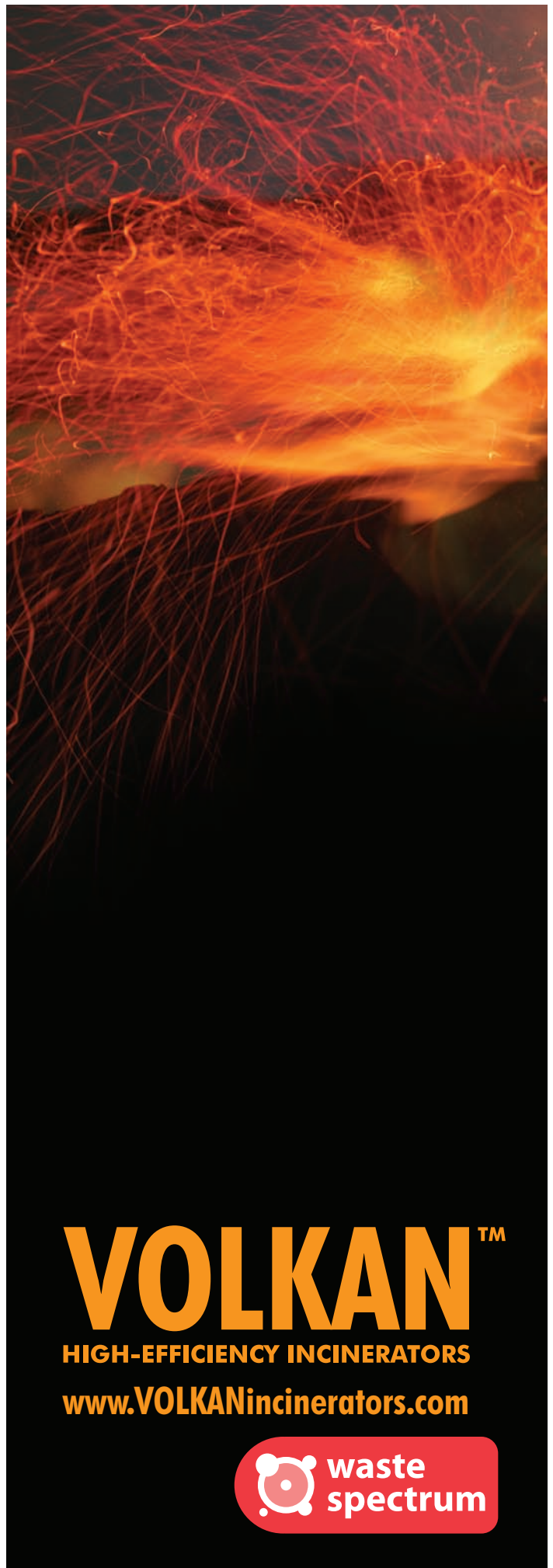
240volt 16 amp.

### Key Specifications

Chamber Volume 0.28m<sup>3</sup>:  
0.71m(l) x 0.63m(w) x 0.62m(h)  
Load Capacity up to 150kg  
Burn Rate up to 50kg per hour  
Load Method Top  
Weight: up to 1.2 tonnes

**Dimensions** 1.36m(l) x 1.2m(w) x 2.92m(h)

\*Figures based on typical figures gained from an average burn cycle.  
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