

# Volkan 500 M



Designed, engineered and manufactured at our Worcester production facility in the UK the Volkan 500 M is a medium capacity front loading incineration system designed for the clean, quick and biosecure disposal of clinical and medical waste including type 4 pathological waste (red bag waste). Extremely robust and constructed using the highest quality materials the Volkan 500 M is fuel efficient and easy to operate making it ideal for use by primary medical services, hospitals, surgical units, private cosmetic surgery practices and veterinary practices.



Volkan 500

As with all models in the Volkan Range the Volkan 500 M is supplied with an integral secondary chamber as standard and fully conforms to EU By-Products Regulation (ABPR) (EC) No 142/2011.

Due to the nature of the waste streams and dependent upon local legislation, it may be necessary to include additional emissions control as this falls under IED (formerly known as WID) regulations, if this is required then Waste Spectrum can provide you with further information plus energy recovery options, if required.



Load Trolley



Load Winch

## Ideally Suited For:

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

## 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
- 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

For more information contact:

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## SPECIFICATIONS

|  |                                    |
|--|------------------------------------|
| Burn rate                                  | UP TO 40kg/hr                      |
| Front or top loading                       | Front                              |
| Overall size (L x W x H)                   | 2.6 x 1.6 x 5.1 m                  |
| Fuel consumption                           |                                    |
| Diesel                                     | 6 – 9 Litres Per Hour              |
| LPG  | 8 – 13 Litres Per Hour             |
| Fire bars                                  | No                                 |
| External height (excluding standard stack) | 2021 mm                            |
| External height (including standard stack) | 5071 mm                            |
| Standard stack diameter (2D Size)          | 10"                                |
| Door opening (W x H)                       | 894 x 706 mm                       |
| Load height                                | 400 mm                             |
| Chamber size (L x W x H)                   | 1.8 x 0.9 x 0.7 m                  |
| Chamber volume                             | 1.16 m <sup>3</sup>                |
| Chamber load volume                        | 0.47 m <sup>3</sup>                |
| Chamber load capacity                      | 260kg                              |
| Chamber capacity                           | 640kg                              |
| Total weight                               | 2.5 Tonne                          |
| Concrete pad size (L x W)                  | 4.6 m x 3.6 m                      |
| Electrical supply requirements             | Single phase 16A<br>230VAC 50/60Hz |
| Burner output (KW)                         | 147                                |
| Electric consumption (KW/hr)               | 0.25                               |

## 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
- Supplied with higher grade concrete to withstand increased temperatures and the abrasive nature of medical waste
- PLC timer controls with automatic burner shut off function and rapid ignition pulse fired burners for low running costs
- Burns up to 40kgs 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

**Ask about our custom built solution**

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