

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.

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.



Volkan 500



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
- 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:

- 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

For more information contact:

+44(0)1905 362 100 www.wastespectrum.com



Volkan 500 M



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

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 ³ /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 ³	1.16
Chamber Load Volume	m ³	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 ³	40.95
Chamber Load Volume	ft ³	16.58
Chamber Load Capacity	lb/ft ³	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 ³ /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.