

# Volkan 400 Marine Specification



The Volkan 400 AC is a DEFRA 'Type Approved' medium capacity top loading incinerator designed as a purpose built model for Aquaculture operations. 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 400 AC incinerator is built using a resilient marine standard silicon enamel paint finish to withstand harsh environments.

The Volkan 400 AC is perfect for adapting to the variable throughput of a medium size Aquaculture operation, either for smaller fish waste and eggs or for managing the day-to-day stock mortalities resulting from disease or an environmental event.



Fish basket

Volkan 400



## 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:

- Fish farms

For more information contact:

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



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## Features

- Easy to operate – Full training provided
- Top loading design provides easy access via a counterbalance lid
- Temperature controlled pulse fired burners for optimal efficiency
- Low thermal mass linings for minimal heat loss
- Resilient marine standard silicon enamel paint finish to withstand harsh environments
- Specifically designed metal basket available to contain smaller fish waste and eggs ensuring all waste is reduced to inert ash
- 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
- 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 400
Burn Rate	Up to kg/hr	50
Front / Top Load		Top
Static Operational Dimensions (LxWxH)	m	2.8 x 1.6 x 3.5
Mobile Operational Dimensions (L x W x H)	m	5.0 x 2.4 x 4.7
External Height - Static	mm inc. Stack	3520
External Height - Static	mm ex. Stack	2530
Weight	Tonne	2.3
Mobile Weight	Tonne	2.9
Concrete Pad Size (L x W)	m	4.8 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		Optional
Load Door Width	mm	788
Load Door Height/Depth	mm	707
Door Opening (W x H)	mm	788 x 707
Chamber Size (LxWxH)	m	1.4 x 0.8 x 0.7
Chamber Actual Volume	m <sup>3</sup>	0.71
Chamber Load Volume	m <sup>3</sup>	0.42
Chamber Load Capacity	kg	240
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 400
Burn Rate	Up to lbs/hr	111
Operational Dimensions (LxWxH)	Feet	9.3 x 5.1 x 11.5
External Height	inch inc. stack	138.58
External Height	inch ex. stack	99.61
Weight	lbs	5071
Mobile Weight	lbs	6394
Chamber Actual Volume	ft <sup>3</sup>	25.08
Chamber Load Volume	ft <sup>3</sup>	14.80
Chamber Load Capacity	lb/ft <sup>3</sup>	15
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 400 model and may not be representative of the model variant displayed. For further information please speak to our team.