

## Incinerator Technical Specifications

The following information and specifications are based upon an incinerator burning at a rate of 50 to 1000kg per hour, but less than 10,000kg per day as regulated by EC1774/2002 (UK ABPR PG5/3)<sup>[3]</sup>

Further data is provided as information only relating to the 2000/76/EC Waste Incineration Directive and PPC (Pollution Prevention and Control) regulations.

All whole animal and part animal carcass incineration equipment operating to conform to EC 1774/2002 are exempt from the 2000/76/EC regulations.

Exhaust emissions (Not relevant to EC 1774/2002)

Emission	Unit	Limit	As Measured
HF	mg/m <sup>3</sup>	1.00	0.23
Particulate	mg/m <sup>3</sup>	10.00	3.43
HCl	mg/m <sup>3</sup>	10.00	4.43
CO	mg/m <sup>3</sup>	50.00	1.25
NOx	mg/m <sup>3</sup>	200.00	123.40
SO2	mg/m <sup>3</sup>	50.00	37.20
TOC	mg/m <sup>3</sup>	10.00	2.20
Dioxins**	Ng/Nm <sup>3</sup>	0.1ng I-TEQ/Nm <sup>3</sup>	0.06
Smoke	Ringleman	1	<1

Ref conditions for emission release 273K, 101.3kPa, 11% O<sub>2</sub> dry gas

\* extract from 3<sup>rd</sup> part emission report <sup>[1]</sup>

\*\* not applicable to EC1774/2002

## Combustion rates

The following data is calculated using a standard carcass bulk density of 235kg/m<sup>3</sup> and a calorific value of 5,889Kcal/kg and a moisture content of 78% <sup>[2]</sup>

Fuel oil consumption per 1000kg of animal carcass: 17litres

[1] A szakertői vélemény száma 43/06-L.V. Table 2/P1 Sept 2006

[2] CAL2K - APPLICATION NOTE C1.5 : Alternative Method for Calorific Measurements of food

[3] <http://www.defra.gov.uk/environment/ppc/localauth/pubs/guidance/notes/pgnotes/pdf/pg5-03.pdf>

**WASTE SPECTRUM  
ENVIRONMENTAL LIMITED**  
Worcester, United Kingdom  
Registered in England 04322179  
VAT NO: GB 834 8763 90

*[Signature]*  
9/4/2009  
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