



INCINER8
AGRICULTURAL
INCINERATOR
CATALOGUE



**AGRICULTURAL INCINERATOR
CATALOGUE**



AWARD-WINNING WASTE INCINERATORS



With a reputation built on several decades of global manufacturing excellence, Inciner8 is one of the most respected names in incineration and waste management. A proud Merseyside business at the forefront of British manufacturing. Inciner8's client portfolio features some of the biggest names in medical, mining and agriculture, whilst also delivering solutions to numerous start-ups and SMEs, including pet cremation businesses and clinics.

From its manufacturing HQ in Southport, a growing and highly skilled workforce develops, designs, assembles, exports, installs and services Inciner8's products, which are designed to outperform expectations. With this in mind, it's easy to see why Inciner8 has won three Queen's Awards and counting.



TRUSTED BY FARMERS ACROSS THE GLOBE

Incineration of both animal waste and animal carcasses are the best way to ensure bio-security in the agricultural sector. At Inciner8, with our heritage in the farming sector, we are the trusted experts in incineration for farms and agricultural businesses of all sizes, all over the world.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards, our machines are widely used for ABP (Animal By-Products), farm waste and fallen stock requirements. Disposing of waste safely and efficiently with our incinerators enables farms and agricultural businesses around the world to safeguard livestock by controlling disease and tackling waste responsibly.

All of our agricultural incinerators are Defra type approved by conforming with all their current guidelines. For more information in regards to Defra regulations please contact our sales team who will be more than happy to answer all your questions.



CONTENT

I8-20A	- Page 6
I8-40A	- Page 7
I8-55A	- Page 8
I8-75A	- Page 9
I8-140A	- Page 10
I8-200A	- Page 11
I8-250A	- Page 12
I8-500A	- Page 13
I8-700A	- Page 14
I8-1000A	- Page 15

OUR TECHNOLOGY



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



SMARTPANEL REMOTE MONITORING

Smartpanel remote monitoring allows users to access the control panel remotely, away from the incinerator. This allows access and technical support from anywhere in the world, allowing data and controls to be viewed by who needs it the most.



MISTRAL TECHNOLOGY

Our Mistral technology increased airflow for when you need a stronger combustion reaction for harder to incinerate waste. Additional airflow gives the combustion chamber more oxygen when it needs it for an unbeatable efficiency and increased incinerating potential.



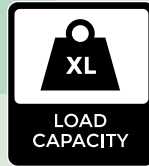
USB DATA LOGGING

Our USB data logging allows the operator to digitally download all data from the incinerator and export them into easy to read formats to share with relevant authorities. This allows you to comply with local laws with ease and gives you the capability to log all your data on a small and secure device.



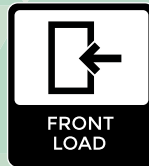
HYDRAULIC DOOR

We manufacture our incinerators from heavy-duty steel, hydraulic doors are fitted to some of our models to make it easy and effortless to open and close the chamber doors via the control panel making light work of continuous loading.



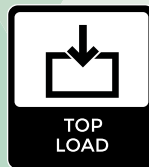
LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



FRONT LOAD

Front-loading increases accessibility and ease of use for manual handling and is ideal for the medical and pet cremation sectors. It allows ash to be easily and carefully removed and makes the overall accessibility into the primary chamber easier for the operator.



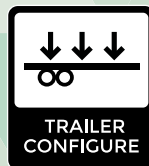
TOP LOAD

Incinerators come in two forms of loading capabilities: top and front, Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.



TRAILER CONFIGURE

Some of our smaller incinerators can be configured onto trailers. These trailers are country-specific and can be tailored to your needs. This allows extreme portability and can be moved to different locations with very minimal setup time, perfect for constantly moving operations.

i8-20A



The i8-20A is the smallest agricultural incinerator in our range. The top loading design means liquids are well contained within this system during combustion. The i8-20A is perfect for small farms, veterinary practices or other small businesses within the agricultural world. It is also one of the most affordable ways to introduce yourself to the world of Inciner8.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.18m ³	Door Size (mm)	490 x 490
Burn Rate*	up to 30kg p/h	External Length (mm)	1600
Average Fuel Consumption	7-9 ltrs p/h	External Width (mm)	850
Operational Temperature	> 850°C	External Height (mm)	4310
Gas retention	2 secs	Shipping Weight	1230kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Animal Breeders
- Animal Research Centres
- Catteries
- Kennels
- Animal Rescue Centres
- Game & Hunt Waste





i8-40A



Our i8-40A builds upon the success of our i8-20A and is a simple and effective agricultural incinerator from our smaller range. It excels in being a machine that is capable of dealing with a wide range of waste at an affordable price point. It features advanced chamber technology with an afterburner for the re-burn of harmful emissions with a 2 second retention time giving you a complete compact waste solution.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.36m ³	Door Size (mm)	560 x 560
Burn Rate*	up to 40kg p/h	External Length (mm)	1600
Average Fuel Consumption	9-11ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850°C	External Height (mm)	4400
Gas retention	2 secs	Shipping Weight	1520kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Animal Breeders
- Catteries
- Animal Research
- Animal Rescue Centres
- Kennels
- Game And Hunt Waste

18-55A



18-55A model, a great investment, is a mid range incinerator. It is a medium capacity animal incinerator from our range of 'DEFRA Approved' models and is suitable for disposing of birds, poultry and large domestic animals with dual function as a pet cremation system. This option benefits from a simple top loading door and advanced secondary chamber technology to provide an environmentally friendly option for a variety of industries. This top loader is the perfect choice if you need liquid retention making this incinerator ideal for incineration of most types of animal waste. This unit benefits from a secondary chamber with an afterburner for the return of harmful emissions with a 2 second retention time.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.54m ³	Door Size (mm)	720 x 830
Burn Rate*	up to 50kg p/h	External Length (mm)	2000
Average Fuel Consumption	11-13 ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850°C	External Height (mm)	4480
Gas retention	2 secs	Shipping Weight	2100kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Emergency Outbreaks
- Livestock Farms
- Kennel Waste
- Animal Reserch Centre
- Animal Breeders
- Game & Hunt Waste





I8-75A



I8-75A model is a mid range incinerator, giving you quality design and engineering. The i8-75A is a medium capacity animal incinerator from our range of 'DEFRA Approved' models and is suitable for disposing of game, deer, poultry, sheep and the largest breeds of domestic animals with dual function as a pet cremation system. This option benefits from a simple top loading door and advanced secondary chamber technology to provide an environmentally friendly option for a variety of industries.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.75m ³	Door Size (mm)	990 x 920
Burn Rate*	up to 50kg p/h	External Length (mm)	2300
Average Fuel Consumption	11-15 ltrs p/h	External Width (mm)	1600
Operational Temperature	> 850°C	External Height (mm)	4680
Gas retention	2 secs	Shipping Weight	3000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Renderers
- Kennels
- Farms
- Game & Hunt Waste
- Emergency Outbreaks
- Abattoirs

18-140A



The 18-140A model is a high performance, medium sized incinerator. The i8-140A is a high capacity animal incinerator which is suitable for disposing of large domestic animals, sheep, lambs and many others benefiting from a wide opening door and high hourly burn rates. This model is an ideal waste disposal solution for farms, shooting practices, slaughterhouses, abattoirs or veterinary practices. This unit benefits from a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time. It delivers clean and tidy, effective waste solutions and is a good return on your investment.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	1.35m ³	Door Size (mm)	1450 x 750
Burn Rate*	up to 100kg p/h	External Length (mm)	3050
Average Fuel Consumption	14-19 ltrs p/h	External Width (mm)	1700
Operational Temperature	> 850°C	External Height (mm)	4180
Gas retention	2 secs	Shipping Weight	3200kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Livestock Farms
- Kennels
- Vets
- Animal Waste Collectors
- Abattoirs
- Animal Research Centres



i8-200A



The i8-200A is large enough to offer impressive burn rates and batch sizes, whilst still being small enough to fit in a 20ft container. The i8-200A features a top-loading design with a large opening for bulky agricultural waste items. Like all our 'A' range models it is DEFRA Type approved and features a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.

OPERATIONAL SPEC

Combustion Chamber Volume	1.92m ³	Door Size (mm)	2040 x 1060
Burn Rate*	up to 150kg p/h	External Length (mm)	3200
Average Fuel Consumption	20-25 ltrs p/h	External Width (mm)	2100
Operational Temperature	> 850°C	External Height (mm)	4390
Gas retention	2 secs	Shipping Weight	6500kg

*Burn rates dependent on waste stream and calorific value

PHYSICAL SPEC

TYPICAL APPLICATIONS:

- Abattoir
- Livestock Farm
- Large Vets
- Game & Hunt Waste
- Emergency Outbreaks
- Animal Waste Collectors

i8-250A



The i8-250A is one of our mid-sized models that can be used for a variety of applications, large enough to offer impressive burn rates and batch sizes, while still being small enough to fit in a 20ft container. The i8-250A features a top-loading design with a large opening for bulky waste items. Like all our 'A' range models it is DEFRA Type approved and features a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.

OPERATIONAL SPEC

Combustion Chamber Volume	2.40m ³	Door Size (mm)	2530 x 1610
Burn Rate*	up to 175kg p/h	External Length (mm)	3590
Average Fuel Consumption	25-30 ltrs p/h	External Width (mm)	1390
Operational Temperature	> 850°C	External Height (mm)	4640
Gas retention	2 secs	Shipping Weight	8000kg

*Burn rates dependent on waste stream and calorific value

PHYSICAL SPEC

TYPICAL APPLICATIONS:

- Kennels
- Vets
- Livestock Farms
- Animal Waste Collectors
- Emergency Outbreaks
- Game & Hunt Waste



i8-500A



One of our newest designs is the i8-500A it uses groundbreaking design and uses features found on our larger machines. Taking over two years to develop, the i8-500A was designed from the ground up to offer impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. It is suitable for disposing of horses, cattle and other large animals benefiting from a wide opening door and high hourly burn rates. This model is an ideal disposal solution for farms, shooting practices, slaughterhouses, abattoirs, veterinary practices or similar facilities with high quantities of animals. You also get one of the largest primary chambers around, controlled air incineration as standard, and a plethora of options in terms of pre-processing and post-combustion - all geared to increasing the performance and efficiency of this unit.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	5.00m ³	Door Size (mm)	3500 x 1500
Burn Rate*	up to 450kg p/h	External Length (mm)	5000
Average Fuel Consumption	30-40 ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850°C	External Height (mm)	5750
Gas retention	2 secs	Shipping Weight	18000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Livestock Farms
- Kennels
- Vets
- Animal Waste Collectors
- Game & Hunt Waste
- Emergency Outbreaks

i8-700A



The second biggest model in our agricultural range is the i8-700A. The machine was designed to out perform any other incinerator within its class. This model can be customized with viewing windows, external cladding and automatic loading to provide an effective and sustainable waste disposal solution all agricultural waste. We offer a plethora of options in terms of pre-processing and post-combustion - all geared to increasing the performance and efficiency of this unit. Top loading design provides liquid retention making this incinerator ideal for incineration of many different waste streams. This model uses our NX PLC range of control panels. Non PLC system can be ordered on request.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	6.75m ³	Door Size (mm)	4580 x 1500
Burn Rate*	up to 600kg p/h	External Length (mm)	6200
Average Fuel Consumption	40-50 ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850°C	External Height (mm)	5750
Gas retention	2 secs	Shipping Weight	19000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Abattoir
- Livestock Farm
- Large Vets
- Game & Hunt Waste
- Emergency Outbreaks
- Animal Waste Collectors





i8-1000A



The flagship model within our agricultural lineup is the i8-1000A, it is the biggest machine within our agricultural range and took over three years to develop. The i8-1000A is at the forefront of combustion technology and offers impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. The i8-1000A can be customised with viewing windows, external cladding and automatic loading to provide an effective and sustainable waste disposal solution for many different types of agricultural waste. The i8-1000A also has the benefit of being fitted with our NX PLC control panel including smartpanel technology allowing operators to remotely monitor performance and diagnose any issues should they occur.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	8.70m ³	Door Size (mm)	4000 x 1500
Burn Rate*	up to 800kg p/h	External Length (mm)	6900
Average Fuel Consumption	40-50 ltrs p/h	External Width (mm)	2900
Operational Temperature	> 850°C	External Height (mm)	6260
Gas retention	2 secs	Shipping Weight	24000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Large Abattoirs
- Stable & Stud Farm
- Emergency Outbreaks
- Animal Waste Collectors
- Game and Hunt Waste
- Large Livestock Farms

OPTIONAL EXTRAS



PCS SYSTEM

Pollution control systems capture all the gasses, soot and entrained solids emitted by the incineration process and capture them to meet the European regulations, which are set out in directive 2000/76/EC. There are a variety of PCS systems available depending on your incinerator and the complete system you have configured.



ANNUAL SPARES PACKAGE

One year spare parts package is the perfect addition to any Inciner8 purchase to keep you running should any parts within the incinerator need replacing. You can set it up as a one time purchase or as continuous yearly purchase so you are always backed up with instant replacements.



AUTOLOADER

Larger Inciner8 models can be configured with autoloaders. This allows the waste to be automatically loaded into the primary chamber once each cycle is completed. An autoloader not only speeds up the incineration process but also keeps the primary chamber at a stable temperature due to the efficiency of the loading times.



VENTURI

Our entry-level pollution control solution uses the energy from a high-velocity inlet gas stream to atomize the liquid being used to scrub the gas stream. It is our most popular additional configuration due to increasing emissions laws throughout the world.



CARCASS TIPPER

Inciner8's carcass tipper allows heavy waste items to be loaded into the primary chamber with ease. Due to the automatic nature of the machine, it means your operation will be more seamless and safer. Thus reducing any potential injuries to the operator/s.



HEAT EXCHANGER

Inciner8 offers heat exchange for systems that need to cool down gases before they enter additional sections of a configured module. They are used to decrease gas temperatures before entering PCS systems and as a key part of any heat recovery system.



WWW.INCINER8.COM

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AGRICULTURAL INCINERATOR SOLUTIONS



INCINER8

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EXPERTS IN AGRICULTURAL INCINERATION

Incineration of both animal waste and animal carcasses are the best way to ensure bio-security in the agricultural sector. At Inciner8, with our heritage in the farming sector, we are the trusted experts in incineration for farms and agricultural businesses of all sizes, all over the world.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards, Inciner8's agricultural incinerators have also won a variety of regional and international awards.

Our machines are widely used for ABP (Animal By-Products), farm waste and fallen stock requirements. Disposing of waste safely and efficiently with our incinerators enables farms and agricultural businesses around the world to safeguard livestock by controlling disease and tackling waste responsibly.



No unauthorized
pedestrian or vehicular traffic

STOP

Controlled access zone
Biosecurity in effect



INCREASE YOUR BIO-SECURITY

There are measures everyone working in agriculture must take to prevent the introduction or spread of harmful bacteria to humans, animals and plants.

Agricultural waste which is left to rot attracts vermin and can lead to the pollution of local water and food supplies, making its way into the products we and our animals consume. As such, agricultural waste should be immediately destroyed to minimise risks of infection to all species.

Increased bio security on site also prevents the risk of animal disease outbreaks, including bovine viral diarrhoea, anthrax, foot and mouth disease, rabies and bluetongue, which can go on to kill huge numbers of animals.

Incineration is identified as the most effective method to eradicate animal-related viruses and diseases as waste can be immediately destroyed at source, creating entirely bio secure farm sites.

We provide a range of bio secure incineration solutions for those who want to safely and easily destroy their agricultural waste in line with Government regulations. Plus, having an incinerator on site removes the need to send it to landfill and reduces the amount being spent on waste collection, so you can avoid all the direct and indirect risks associated with other methods of disposal.

WHY ARE INCINERATORS THE BEST SOLUTION FOR AGRICULTURAL WASTE

Infections from animal diseases and viruses can spread quickly, potentially affecting entire herds and threatening public health unless rapid and effective waste management practices are in place. For all ABP, farm waste and fallen stock disposal, incineration is the most hygienic, safe and reliable approach to protecting animals and maintaining agricultural standards.

There may also be outbreaks of infectious and hazardous animal diseases, for which incineration may be advised by local environment agencies or the WHO to prevent the spread to other livestock.

In the UK, DEFRA (Department for the Environment, Farming & Rural Affairs) requires any animal carcass or parts of an animal carcass with a suspected or confirmed TSE (transmissible spongiform encephalopathies) to be disposed of by incineration, or processing (rendering) followed by incineration.









WORK WITH A COMPANY YOU CAN TRUST

Inciner8 has a trusted track record in the agricultural industry. Following our early years of working exclusively in the poultry sector, we now supply waste solutions globally for all routine and emergency farming requirements.

For an incinerator to be used legally within the UK, it must be listed in the Approved ABP incinerator list and in some cases get APHA approval as well. Inciner8 is one of the few UK manufacturers designated as a supplier of DEFRA-approved ABP incinerators.

Within our range we have a number of DEFRA-approved systems that meet animal by-products regulations for low-capacity use (less than 50kg per hour), along with higher capacity models for larger animals and more substantial agricultural businesses.

Some of our larger models have the option to be configured with extra features such as autoloading and de-ashing, this makes the incineration process quicker, safer and more efficient. Heat exchanges can also be configured to enable you to use the heat generated from the incineration process to either heat water or air for a wide variety of purposes, a true waste to energy application.

INCINERATION REGULATIONS WITHIN AGRICULTURE

Farmers, vets and anyone else working with or breeding animals and livestock are subject to Government guidance to ensure all related waste is incinerated effectively and carefully.

Agricultural waste can include anything from fallen stock and general farming waste, to animal by-product which includes a variety of different products, including live animals rejected from abattoirs because they're infected, to carcasses of animals used in experiments. It can also include unhatched poultry that has died in its shell, and meat which was originally intended for human consumption but has been withdrawn.

We offer incinerator solutions to those working in agriculture to manage the destruction of all on-site waste with DEFRA-approved, CE Certified agriculture incinerators that are constructed to the highest standards. We provide on-the-ground training to ensure anyone using the equipment can do so safely and efficiently, plus our solutions are backed by 30 years of engineering experience and can be tailored to your exact needs, creating the perfect agricultural incinerator for your requirements.





ABATTOIRS & SLAUGHTERHOUSES

Disposing of waste quickly, cost-effectively and safely is essential for abattoirs and slaughterhouses to reduce the risk of disease due to bacterial, viral, prion and parasitic pathogens following animal slaughter.

Inciner8's animal waste incinerators combine an ideal solution for waste disposal with numerous optional extras such as waste to energy capabilities (on larger models) that can deliver hot water for slaughterhouse processes.

Our British-made incinerators can easily handle a wide range of by-products such as offal, hair, bone, fat, blood and carcasses. They enable you to handle all waste management requirements in-house, avoiding both contamination risks and the costs associated with outsourced waste management services. Our machines will outperform your expectations because we designed them to do so.







A GLOBAL OPERATION

We've established ourselves as the go-to partner for safe and efficient incinerator solutions for the agricultural sector. Our systems are in operation on farms across the UK and Europe, to North and Central Africa, with agriculture customers based around the world.

From smaller operations managing general farming waste, to large scale facilities that produce tonnes of agricultural waste every single day, we enable sites of any size, located anywhere across the globe, to use our solutions by providing on the ground training and ongoing advice to even the most remote of users. Plus, we work closely with logistics experts to ensure our incinerators are correctly packaged and delivered so that they reach customers in full working order, whether they're road, ship or air freighted.

Many of our incinerators are engineered to include plug and play technology and are supported with a range of video tutorials to enable teams across the world to install them safely on site. Additionally, we can implement remote monitoring systems so that our engineers based in the UK can continue to assess the quality and efficiency of our products no matter where they are in the world and offer immediate support should a mechanical or operational issue be flagged, meaning you have constant reassurance that you're supported by our team.



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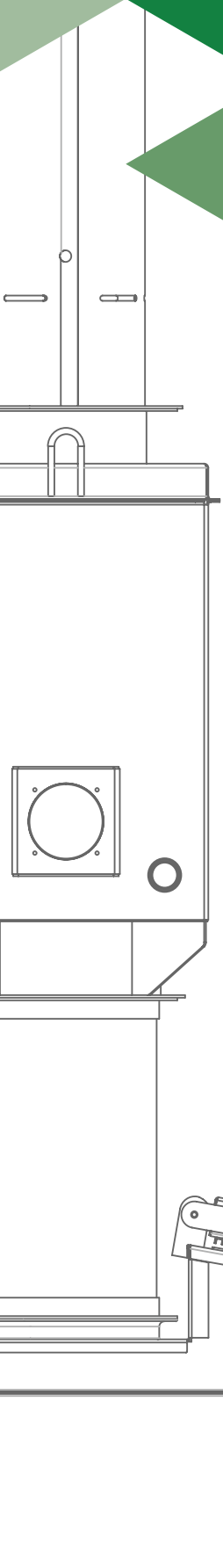
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TECHNICAL SUPPORT

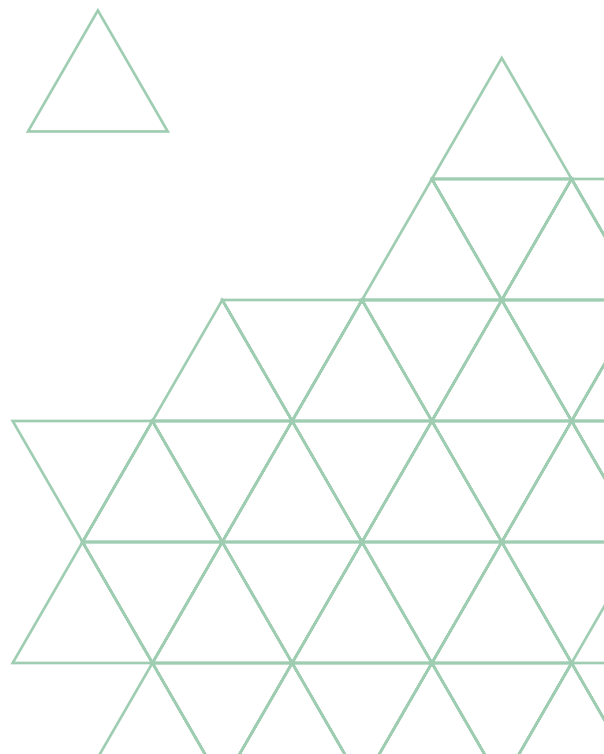
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 **INCINER8**
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INCINER8 I8-20A TECHNICAL DATASHEET



The i8-20A is the smallest agricultural incinerator in our range. The top loading design means liquids are well contained within this system during combustion. The i8-20A is perfect for small farms, veterinary practices or other small businesses within the agricultural world. It is also one of the most affordable ways to introduce yourself to the world of Inciner8.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tipper and autoloader to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.



TRAILER CONFIGURE

Some of our smaller incinerators can be configured onto trailers. These trailers are country-specific and can be tailored to your needs. This allows extreme portability and can be moved to different locations with very minimal setup time, perfect for constantly moving operations.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-20A FEATURES

- Small footprint and operating costs.
- Rapid, complete and efficient medical waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE2 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels

* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-20A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

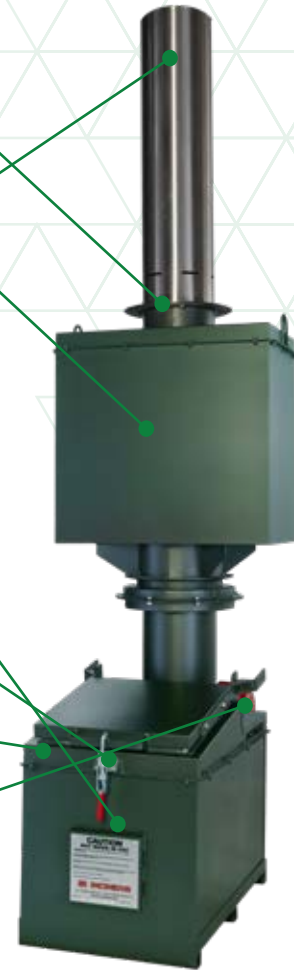
Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine.

HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



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TECHNICAL SPECIFICATION

model: i8-20A

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume (m ³)	0.18m ³	Assembled L/W/H (mm)	1600 x 850 x 4310
Burn Rate (Kg p/h)	Up to 30Kg	Assembled Weight (Kg)	1230kg
Fuel Consumption (Ltrs p/hour)	7-9 ltrs	Door Size (mm)	490 x 490mm
Time To Temp	45-60 mins	Thermocouples (Qty)	2
Gas retention Time (Seconds)	2 secs	Steel Thickness (mm)	3mm
Loading Method	Top Load	No. Of Burners	2
Fuel Options	Light Oil or Gas/LPG	Refractory Composition	Coretex
Electricity Supply	110v or 230v	Operating Footprint	17.71m ²
Control Panel (IP Rating)	IP54	Cool Touch Cladding	Yes
Heat Recovery	No	Viewing Portal	No
Auto Ash Removal	No	Tertiary Air Fan	No
Auto Loader Compatible	No		
Remote Monitoring	No		
Ash Residue	3-5%		
Recommended operational Temperature	850°C		

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested



NB: picture for illustration purposes only

AVERAGE EMISSIONS / EU STANDARDS

All of our secondary combustion chambers are designed to operate at 850 - 1200°C to re-burn waste gases which prevents smoke, odours and harmful emissions. Dioxins and similar gaseous components are destroyed by a combination of homogeneous high temperatures, excess oxygen levels and sufficient gas residence time in the secondary chamber which our incinerators achieve.

Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

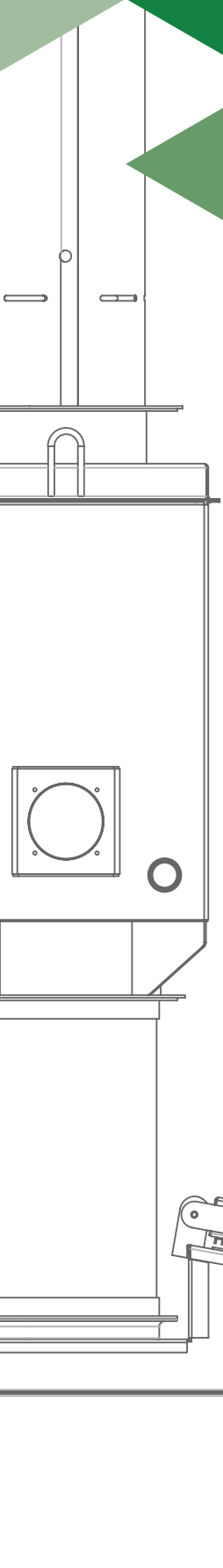
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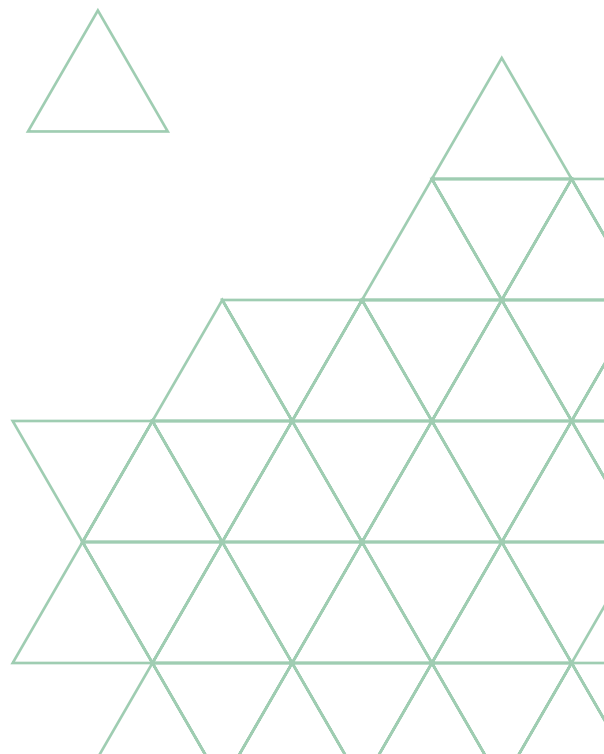
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INCINER8 I8-40A TECHNICAL DATASHEET



Our i8-40A builds upon the success of our i8-20A and is a simple and effective agricultural incinerator from our smaller range. It excels in being a machine that is capable of dealing with a wide range of waste at an affordable price point. It features advanced chamber technology with an afterburner for the re-burn of harmful emissions with a 2 second retention time giving you a complete compact waste solution.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.



TRAILER CONFIGURE

Some of our smaller incinerators can be configured onto trailers. These trailers are country-specific and can be tailored to your needs. This allows extreme portability and can be moved to different locations with very minimal setup time, perfect for constantly moving operations.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-40A FEATURES

- Small footprint and operating costs.
- Rapid, complete and efficient medical waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE2 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels

* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-40A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine.

HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



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TECHNICAL SPECIFICATION

model: **i8-40A**

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume (m ³)	0.36m ³	Assembled L/W/H (mm)	1600 x 1300 x 4400
Burn Rate (Kg p/h)	Up to 40Kg	Assembled Weight (Kg)	1520kg
Fuel Consumption (Ltrs p/hour)	9-11 ltrs	Door Size (mm)	560 x 560mm
Time To Temp	45-60 mins	Thermocouples (Qty)	2
Gas retention Time (Seconds)	2 secs	Steel Thickness (mm)	3mm
Loading Method	Top Load	No. Of Burners	2
Fuel Options	Light Oil or Gas/LPG	Refractory Composition	Coretex
Electricity Supply	110v or 230v	Operating Footprint	19.78m ²
Control Panel (IP Rating)	IP54	Cool Touch Cladding	Yes
Heat Recovery	Yes	Viewing Portal	No
Auto Ash Removal	No	Tertiary Air Fan	No
Auto Loader Compatible	No		
Remote Monitoring	No		
Ash Residue	3-5%		
Recommended Operational Temperature	850°C		

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested



NB: picture for illustration purposes only

AVERAGE EMISSIONS / EU STANDARDS

All of our secondary combustion chambers are designed to operate at 850 - 1200°C to re-burn waste gases which prevents smoke, odours and harmful emissions. Dioxins and similar gaseous components are destroyed by a combination of homogeneous high temperatures, excess oxygen levels and sufficient gas residence time in the secondary chamber which our incinerators achieve.

Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

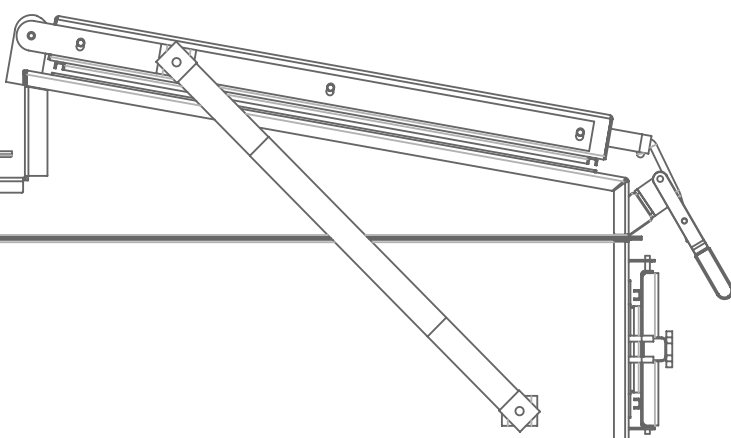
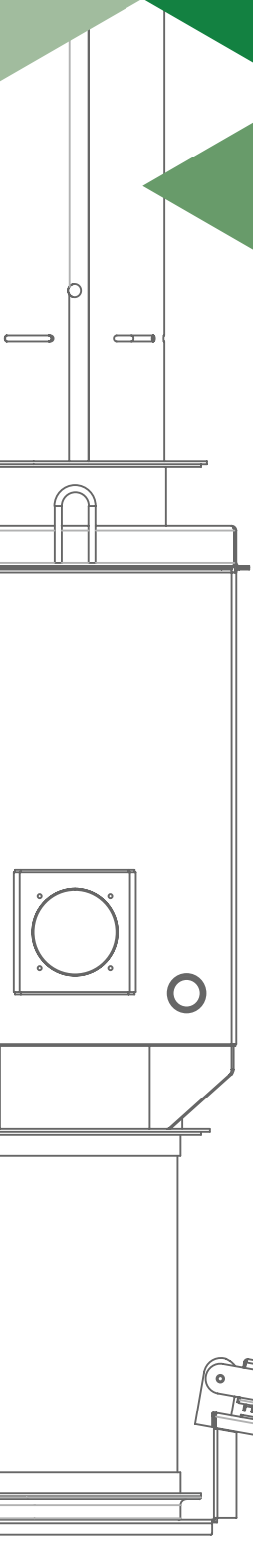
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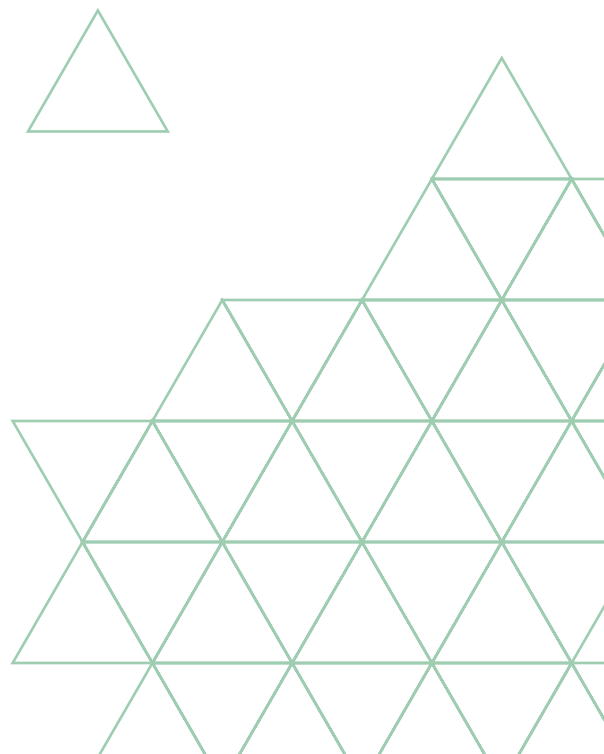
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INCINER8 18-55A TECHNICAL DATASHEET



i8-55A model, a great investment, is a mid range incinerator. It is a medium capacity animal incinerator from our range of 'DEFRA Approved' models and is suitable for disposing of birds, poultry and large domestic animals with dual function as a pet cremation system. This option benefits from a simple top loading door and advanced secondary chamber technology to provide an environmentally friendly option for a variety of industries. This top loader is the perfect choice if you need liquid retention making this incinerator ideal for incineration of most types of animal waste. This unit benefits from a secondary chamber with an afterburner for the reburn of harmful emissions with a 2 second retention time.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.



TRAILER CONFIGURE

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i8-55A FEATURES

- Small footprint and operating costs.
- Rapid, complete and efficient medical waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE2 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels



* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-55A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

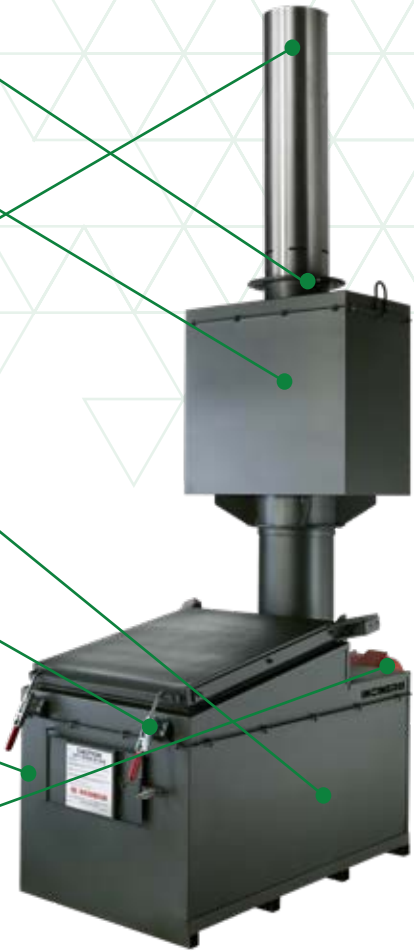
Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine.

HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



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TECHNICAL SPECIFICATION

model: i8-55A

OPERATIONAL SPEC

Combustion Chamber Volume (m ³)	0.54m ³
Burn Rate (Kg p/h)	Up to 50Kg
Fuel Consumption (Ltrs p/hour)	11-13 ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	Top Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP54
Heat Recovery	Yes
Auto Ash Removal	No
Auto Loader Compatible	No
Remote Monitoring	No
Ash Residue	3-5%
Recommended Operational Temperature	850°C

PHYSICAL SPEC

Assembled L/W/H (mm)	2000 x 1300 x 4480
Assembled Weight (Kg)	2100kg
Door Size (mm)	720 x 830mm
Thermocouples (Qty)	2
Steel Thickness (mm)	3mm
No. Of Burners	2
Refractory Composition	Coretex
Operating Footprint	21.50m ²
Cool Touch Cladding	Yes
Viewing Portal	No
Tertiary Air Fan	No

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested

NB: picture for illustration purposes only



AVERAGE EMISSIONS / EU STANDARDS

All of our secondary combustion chambers are designed to operate at 850 - 1200°C to re-burn waste gases which prevents smoke, odours and harmful emissions. Dioxins and similar gaseous components are destroyed by a combination of homogeneous high temperatures, excess oxygen levels and sufficient gas residence time in the secondary chamber which our incinerators achieve.

Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

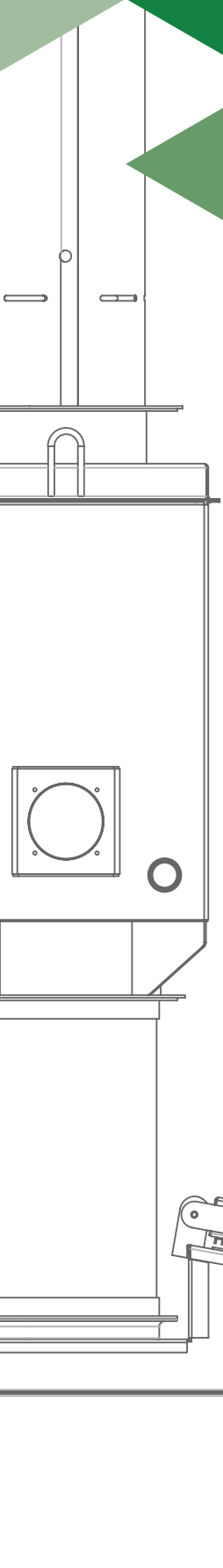
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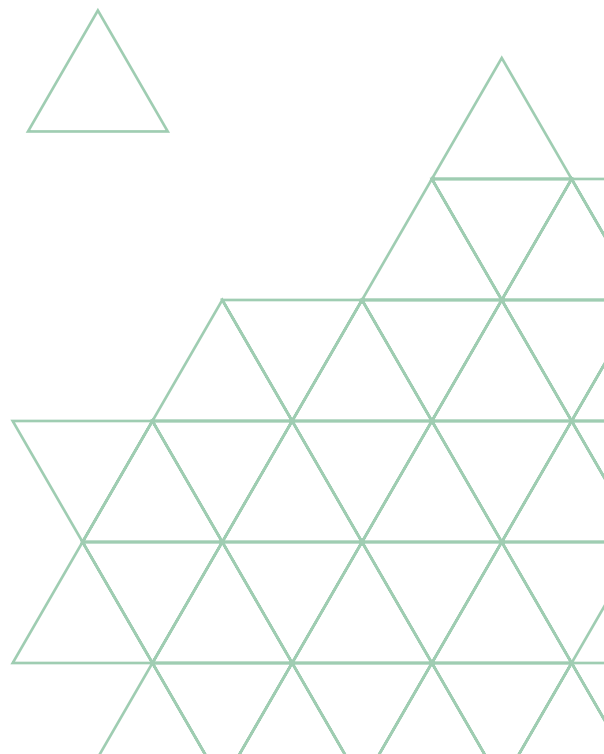
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INCINER8 18-75A TECHNICAL DATASHEET



i8-75A model is a mid range incinerator, giving you quality design and engineering. The i8-75A is a medium capacity animal incinerator from our range of 'DEFRA Approved' models and is suitable for disposing of game, deer, poultry, sheep and the largest breeds of domestic animals with dual function as a pet cremation system. This option benefits from a simple top loading door and advanced secondary chamber technology to provide an environmentally friendly option for a variety of industries.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.



TRAILER CONFIGURE

Some of our smaller incinerators can be configured onto trailers. These trailers are country-specific and can be tailored to your needs. This allows extreme portability and can be moved to different locations with very minimal setup time, perfect for constantly moving operations.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-75A FEATURES

- Small footprint and operating costs.
- Rapid, complete and efficient medical waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE2 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels

* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

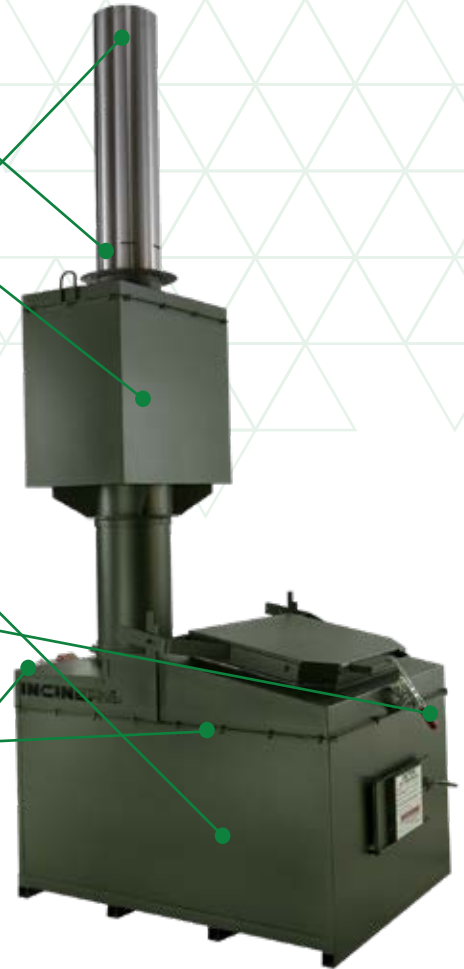
Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



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HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



TECHNICAL SPECIFICATION

model: **i8-75A**

OPERATIONAL SPEC

Combustion Chamber Volume (m ³)	0.75m ³
Burn Rate (Kg p/h)	Up to 50Kg
Fuel Consumption (Ltrs p/hour)	11-15 ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	Top Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP54
Heat Recovery	Yes
Auto Ash Removal	No
Auto Loader Compatible	No
Remote Monitoring	No
Ash Residue	3-5%
Recommended Operational Temperature	850°C

PHYSICAL SPEC

Assembled L/W/H (mm)	2300 x 1600 x 4680
Assembled Weight (Kg)	3000kg
Door Size (mm)	990 x 920mm
Thermocouples (Qty)	2
Steel Thickness (mm)	3mm
No. Of Burners	2
Refractory Composition	Coretex
Operating Footprint	24.38m ²
Cool Touch Cladding	Yes
Viewing Portal	No
Tertiary Air Fan	No

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested

NB: picture for illustration purposes only



AVERAGE EMISSIONS / EU STANDARDS

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Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

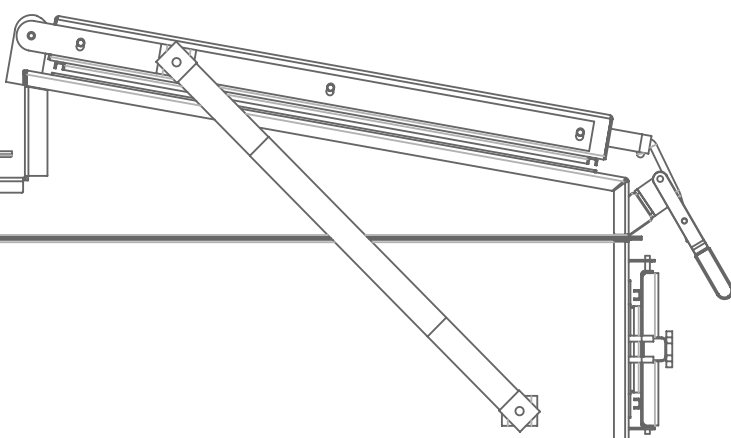
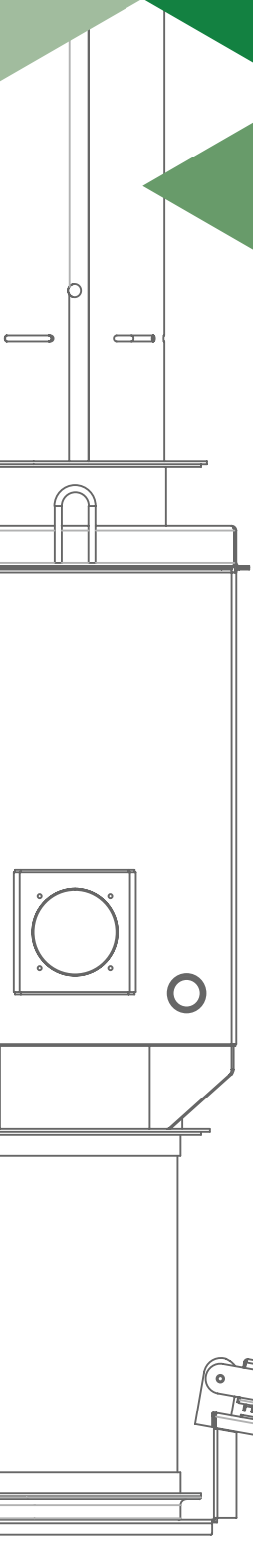
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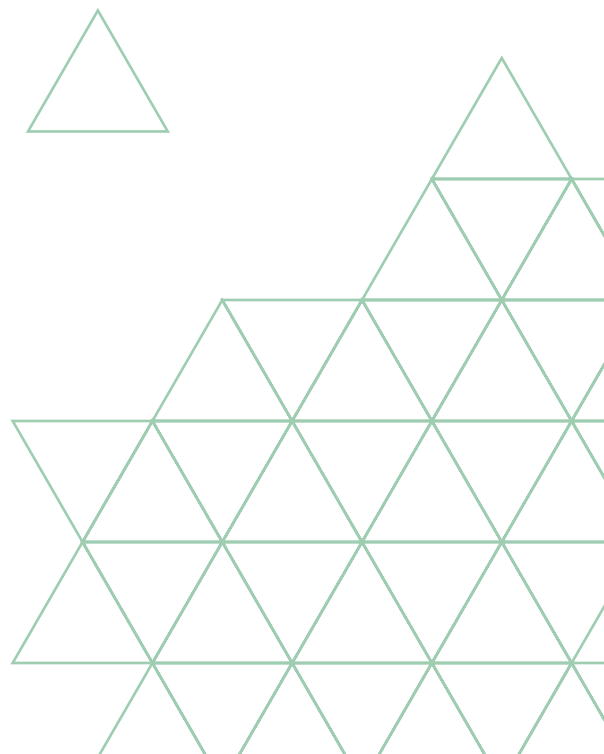
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INCINER8 I8-140A TECHNICAL DATASHEET



i8-140A model is a high performance, medium sized incinerator. The i8-140A is a high capacity animal incinerator which is suitable for disposing of large domestic animals, sheep, lambs and many others benefiting from a wide opening door and high hourly burn rates. This model is an ideal waste disposal solution for farms, shooting practices, slaughterhouses, abattoirs or veterinary practices. This unit benefits from a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time. It delivers clean and tidy, effective waste solutions and is a good return on your investment.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.



TRAILER CONFIGURE

Some of our smaller incinerators can be configured onto trailers. These trailers are country-specific and can be tailored to your needs. This allows extreme portability and can be moved to different locations with very minimal setup time, perfect for constantly moving operations.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-140A FEATURES

- Large top opening design for easier loading of waste
- Rapid, complete and efficient waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE2 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels



* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-140A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



"Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine."

HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



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TECHNICAL SPECIFICATION

model: **i8-140A**

OPERATIONAL SPEC

Combustion Chamber Volume (m ³)	1.35m ³
Burn Rate (Kg p/h)	Up to 100Kg
Fuel Consumption (Ltrs p/hour)	14-19 ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	Top Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP54
Heat Recovery	Yes
Auto Ash Removal	No
Auto Loader Compatible	Yes
Remote Monitoring	No
Ash Residue	3-5%
Recommended Operational Temperature	850°C

PHYSICAL SPEC

Assembled L/W/H (mm)	3050 x 1700 x 4180
Assembled Weight (Kg)	3200kg
Door Size (mm)	1450x 750mm
Thermocouples (Qty)	2
Steel Thickness (mm)	3mm
No. Of Burners	2
Refractory Composition	Coretex
Operating Footprint	28.44m ²
Cool Touch Cladding	Yes
Viewing Portal	No
Tertiary Air Fan	No

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested

NB: picture for illustration purposes only



AVERAGE EMISSIONS / EU STANDARDS

All of our secondary combustion chambers are designed to operate at 850 - 1200°C to re-burn waste gases which prevents smoke, odours and harmful emissions. Dioxins and similar gaseous components are destroyed by a combination of homogeneous high temperatures, excess oxygen levels and sufficient gas residence time in the secondary chamber which our incinerators achieve.

Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

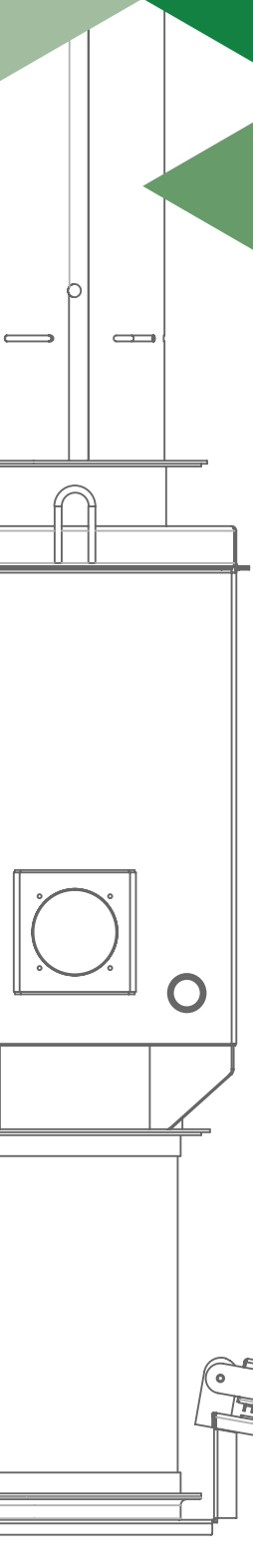
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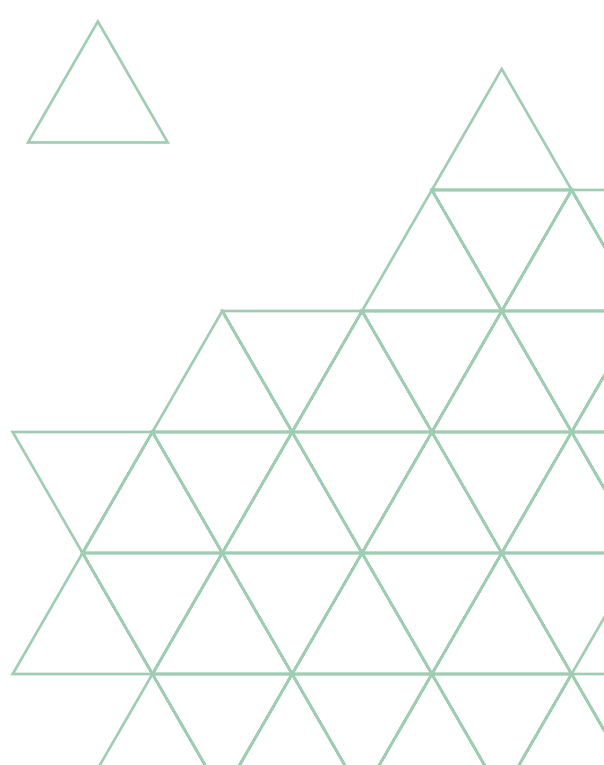
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INCINER8 18-200A TECHNICAL DATASHEET



The i8-200A is large enough to offer impressive burn rates and batch sizes, whilst still being small enough to fit in a 20ft container. The i8-200A features a top-loading design with a large opening for bulky agricultural waste items. Like all our 'A' range models it is DEFRA Type approved and features a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tipper and autoloaders to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-200A FEATURES

- Large top opening design for easier loading of waste
- Rapid, complete and efficient waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE4 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels

* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-200A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine.

HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



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TECHNICAL SPECIFICATION

model: **i8-200A**

OPERATIONAL SPEC

Combustion Chamber Volume (m ³)	1.92m ³
Burn Rate (Kg p/h)	Up to 150Kg
Fuel Consumption (Ltrs p/hour)	20-25 ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	Top Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP55
Heat Recovery	Yes
Auto Ash Removal	No
Auto Loader Compatible	Yes
Remote Monitoring	No
Ash Residue	3-5%
Recommended Operational Temperature	850°C

PHYSICAL SPEC

Assembled L/W/H (mm)	3200 x 2100 x 4390
Assembled Weight (Kg)	6500kg
Door Size (mm)	2040 x 1060mm
Thermocouples (Qty)	3
Steel Thickness (mm)	4mm
No. Of Burners	3
Refractory Composition	Coretex
Operating Footprint	31.62m ²
Cool Touch Cladding	Yes
Viewing Portal	No
Tertiary Air Fan	No

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested

NB: picture for illustration purposes only



AVERAGE EMISSIONS / EU STANDARDS

All of our secondary combustion chambers are designed to operate at 850 - 1200°C to re-burn waste gases which prevents smoke, odours and harmful emissions. Dioxins and similar gaseous components are destroyed by a combination of homogeneous high temperatures, excess oxygen levels and sufficient gas residence time in the secondary chamber which our incinerators achieve.

Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

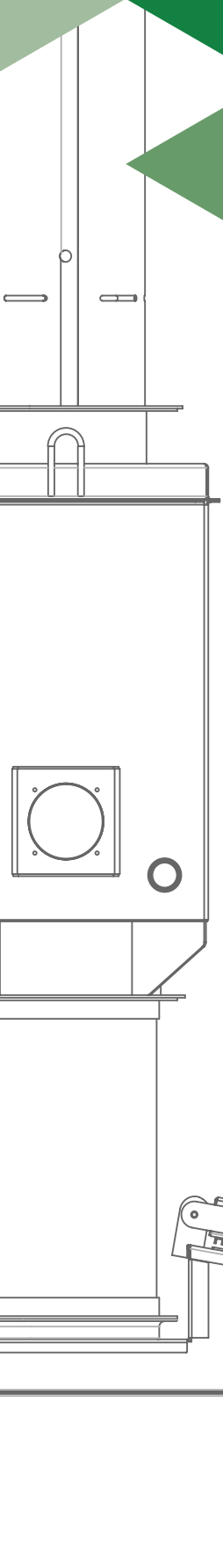
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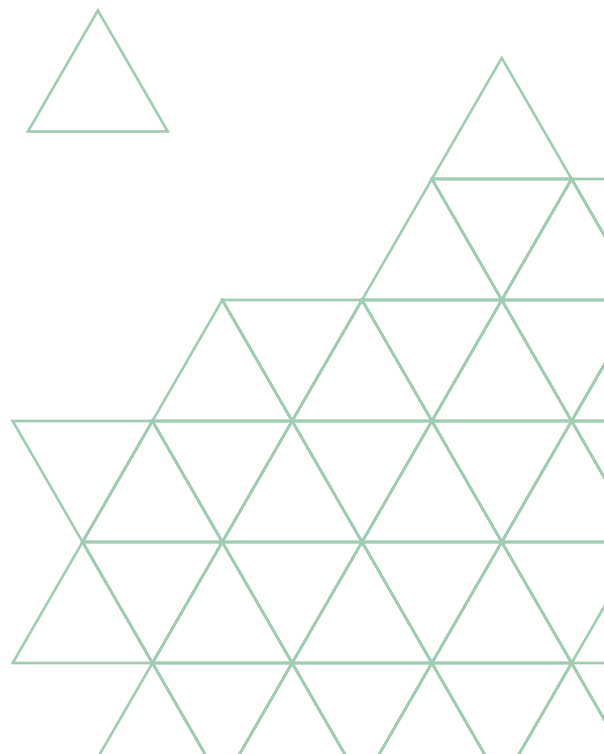
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INCINER8 I8-250A TECHNICAL DATASHEET



The i8-250A is one of our mid-sized models that can be used for a variety of applications, large enough to offer impressive burn rates and batch sizes, while still being small enough to fit in a 20ft container. The i8-250A features a top-loading design with a large opening for bulky waste items. Like all our 'A' range models it is DEFRA Type approved and features a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.

Incineration is an effective, efficient and safe way to dispose of waste from all kinds of environments, from small industrial facilities to large municipal facilities. An ideal solution for diverting waste from landfill, many of our incinerators can be specified to enable filtered waste to be converted into energy, delivering waste management, environmental and cost benefits.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-250A FEATURES

- Large top opening design for easier loading of waste
- Rapid, complete and efficient waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE4 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels

* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-250A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with dispersion cap as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine.

HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



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TECHNICAL SPECIFICATION

model: **i8-250A**

OPERATIONAL SPEC

Combustion Chamber Volume (m ³)	2.40m ³
Burn Rate (Kg p/h)	Up to 175Kg
Fuel Consumption (Ltrs p/hour)	25-30 ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	Top Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP56
Heat Recovery	Yes
Auto Ash Removal	No
Auto Loader Compatible	Yes
Remote Monitoring	No
Ash Residue	3-5%
Recommended operational Temperature	850°C

PHYSICAL SPEC

Assembled L/W/H (mm)	3590 x 1390 x 4640
Assembled Weight (Kg)	8000kg
Door Size (mm)	2530 x 1060mm
Thermocouples (Qty)	4
Steel Thickness (mm)	4mm
No. Of Burners	4
Refractory Composition	Coretex
Operating Footprint	28.93m ²
Cool Touch Cladding	Yes
Viewing Portal	No
Tertiary Air Fan	Yes

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested



NB: picture for illustration purposes only

AVERAGE EMISSIONS / EU STANDARDS

All of our secondary combustion chambers are designed to operate at 850 - 1200°C to re-burn waste gases which prevents smoke, odours and harmful emissions. Dioxins and similar gaseous components are destroyed by a combination of homogeneous high temperatures, excess oxygen levels and sufficient gas residence time in the secondary chamber which our incinerators achieve.

Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

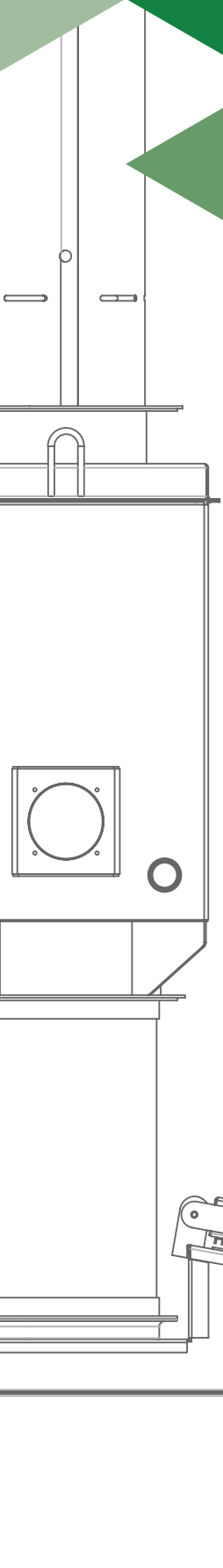
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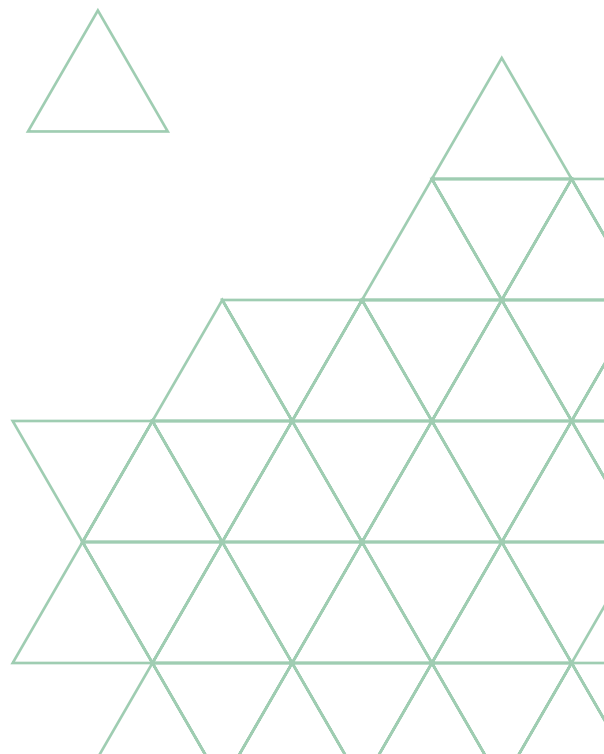
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INCINER8 I8-500A TECHNICAL DATASHEET



One of our newest designs is the i8-500A it uses groundbreaking design and uses features found on our larger machines. Taking over two years to develop, the i8-500A was designed from the ground up to offer impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. It is suitable for disposing of horses, cattle and other large animals benefiting from a wide opening door and high hourly burn rates. This model is an ideal disposal solution for farms, shooting practices, slaughterhouses, abattoirs, veterinary practices or similar facilities with high quantities of animals. You also get one of the largest primary chambers around, controlled air incineration as standard, and a plethora of options in terms of pre-processing and post-combustion - all geared to increasing the performance and efficiency of this unit.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



HYDRAULIC DOOR

We manufacture our incinerators from heavy-duty steel, hydraulic doors are fitted to some of our larger models to make it easy and effortless to open and close the chamber doors via the control panel making light work of continuous loading.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-500A FEATURES

- Cladded for heat retention, cool touch & hygiene control
- Rapid, complete and efficient medical waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE5 control panel
- Programmable temperature control for complete combustion
- Secondary chamber** with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels



* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-500A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



"Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine."

HOW INCINERATION WORKS

Incineration is a waste treatment process which utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
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 **INCINER8**
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TECHNICAL SPECIFICATION

model: **i8-500A**

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume (m ³)	5.00m ³	Assembled L/W/H (mm)	5000 x 2800 x 5750
Burn Rate (Kg p/h)	Up to 450Kg	Assembled Weight (Kg)	18000kg
Fuel Consumption (Ltrs p/hour)	30-40 ltrs	Door Size (mm)	3500 x 1500mm
Time To Temp	45-60 mins	Thermocouples (Qty)	4
Gas retention Time (Seconds)	2 secs	Steel Thickness (mm)	4mm
Loading Method	Top Load	No. Of Burners	4
Fuel Options	Light Oil or Gas/LPG	Refractory Composition	Coretex
Electricity Supply	110v or 230v	Operating Footprint	46.40m ²
Control Panel (IP Rating)	IP57	Cool Touch Cladding	Yes
Heat Recovery	Yes	Viewing Portal	No
Auto Ash Removal	No	Tertiary Air Fan	No
Auto Loader Compatible	Yes		
Remote Monitoring	No		
Ash Residue	3-5%		
Recommended operational Temperature	850°C		

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
Nitrogen Dioxide	400mg/m ³	60mg/m ³
Carbon Monoxide	100mg/m ³	78.3mg/m ³

*The above figures are guidelines ONLY.

Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested



NB: picture for illustration purposes only

AVERAGE EMISSIONS / EU STANDARDS

All of our secondary combustion chambers are designed to operate at 850 - 1200°C to re-burn waste gases which prevents smoke, odours and harmful emissions. Dioxins and similar gaseous components are destroyed by a combination of homogeneous high temperatures, excess oxygen levels and sufficient gas residence time in the secondary chamber which our incinerators achieve.

Emissions are largely a product of the waste materials therefore care should be taken when selecting the most appropriate method of pollution control to ensure compliance with your local emissions standards, please discuss this with our sales team if you aren't sure.

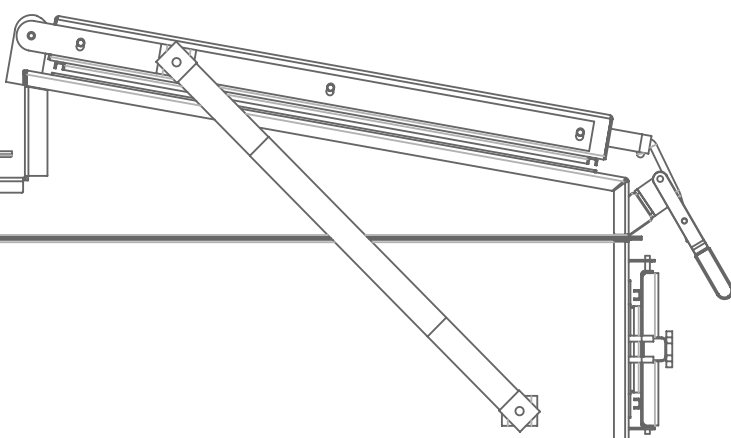
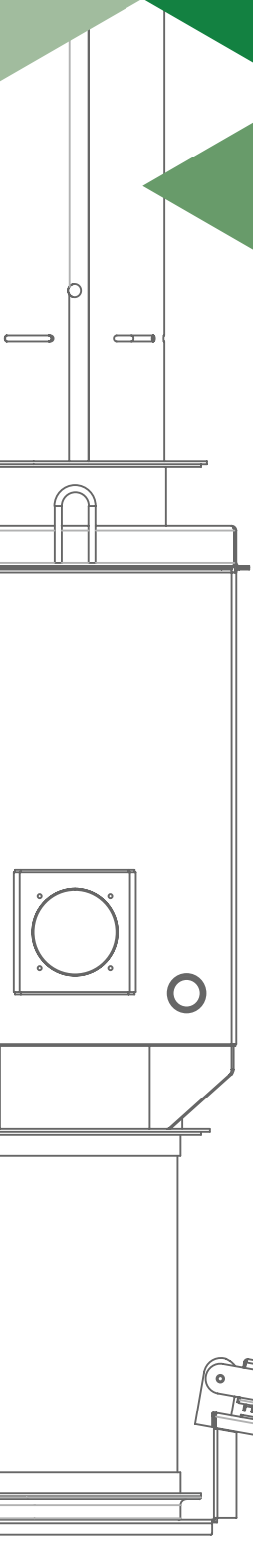
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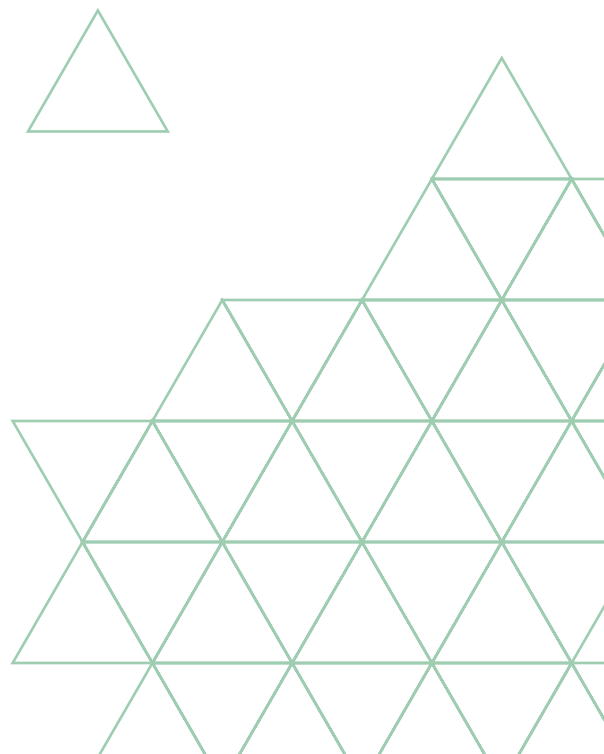
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INCINER8 18-700A TECHNICAL DATASHEET



The second biggest model in our agricultural range is the i8-700A. The machine was designed to out perform any other incinerator within its class. This model can be customized with viewing windows, external cladding and automatic loading to provide an effective and sustainable waste disposal solution all agricultural waste. We offer a plethora of options in terms of pre-processing and post-combustion - all geared to increasing the performance and efficiency of this unit. Top loading design provides liquid retention making this incinerator ideal for incineration of many different waste streams. This model uses our NX PLC range of control panels. Non PLC system can be ordered on request.



LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



SMARTPANEL REMOTE MONITORING

Smartpanel remote monitoring is an optional feature that allows users to access the control panel remotely, away from the incinerator. This allows access and technical support from anywhere in the world, allowing data and controls to be viewed by who needs it the most.



HYDRAULIC DOOR

We manufacture our incinerators from heavy-duty steel, hydraulic doors are fitted to some of our larger models to make it easy and effortless to open and close the chamber doors via the control panel making light work of continuous loading.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.



i8-700A FEATURES

- Cladded for heat retention, cool touch & hygiene control
- Rapid, complete and efficient medical waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE7 control panel
- Programmable temperature control for complete combustion
- Secondary chamber** with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels



* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-700A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowls as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

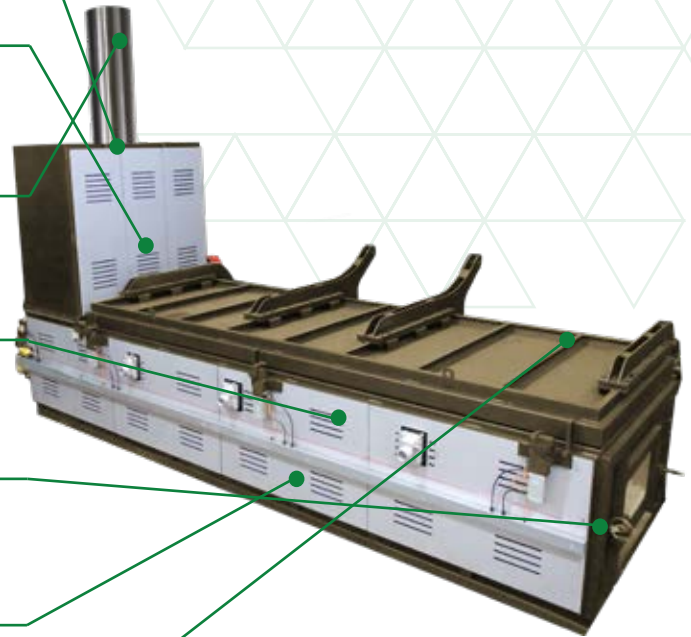
Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.



"Photos are for illustration purposes only. Specification (including paint colours) are subject to change without notice and do not affect the performance of the machine."

HOW INCINERATION WORKS

Incineration is a waste treatment process that utilizes the combustion of organic substances contained within materials to convert waste into ash, heat and flue gas. The ash residue is mostly formed by inorganic constituents of the waste which may take the form of solid lumps or powder.

Heat produced by the incineration process can be fed into a heat exchanger to produce hot water or air which can be used for cleaning or heating purposes. The remaining flue gases are passed through pollution control devices in the form of a secondary combustion chamber or additional filtration (if required) and then expelled to the atmosphere.

APPLICATIONS

Our versatile range of medical incinerators are designed for a wide range of waste types. This particular model benefits from a front loading design and very simple operation process. Ideal as a stand-alone machine where limited staff are available to operate.

- All forms of animal by-products
- Soiled animal bedding
- Pet cremation
- Out of date / cross contaminated feeds
- Small slaughterhouse/abattoir waste
- Catteries & kennels
- Hunt & Game waste
- Stable & Stud Farm
- Emergency Outbreaks



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TECHNICAL SPECIFICATION

model: **i8-700A**

OPERATIONAL SPEC

Combustion Chamber Volume (m ³)	6.75m ³
Burn Rate (Kg p/h)	Up to 600Kg
Fuel Consumption (Ltrs p/hour)	40-50 ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	Top Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP55
Heat Recovery	Yes
Auto Ash Removal	No
Auto Loader Compatible	Yes
Remote Monitoring	Yes
Ash Residue	3-5%
Recommended Operational Temperature	850°C

PHYSICAL SPEC

Assembled L/W/H (mm)	6200 x 2800 x 5750
Assembled Weight (Kg)	19000kg
Door Size (mm)	4580 x 1500mm
Thermocouples (Qty)	7
Steel Thickness (mm)	4mm
No. Of Burners	7
Refractory Composition	Coretex
Operating Footprint	53.36m ²
Cool Touch Cladding	Yes
Viewing Portal	No
Tertiary Air Fan	No

*The above figures are guidelines ONLY.

Ecoflam burners are renowned worldwide for providing high efficiency and reliable operation with significant energy savings and feature extreme ease of installation, maintenance and flexible boiler-burner matching. This model is fitted with low NOx burners as standard to ensure a complete and clean burn cycle, this reduces installation time and maintenance.

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m ³	12mg/m ³
Sulphur Dioxide	200mg/m ³	2.4mg/m ³
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Ecoflam

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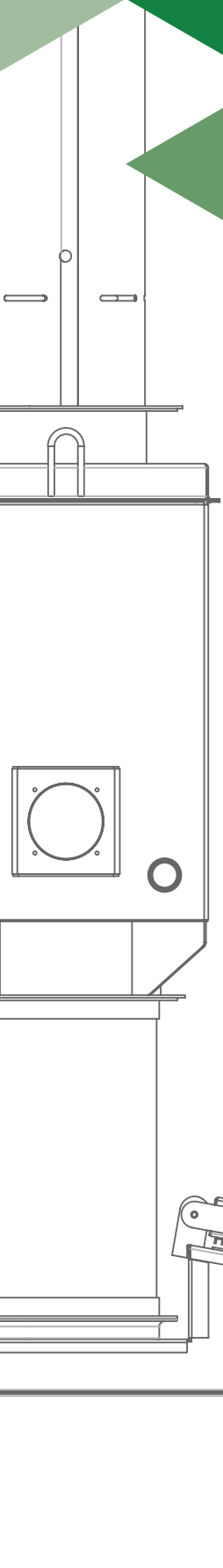
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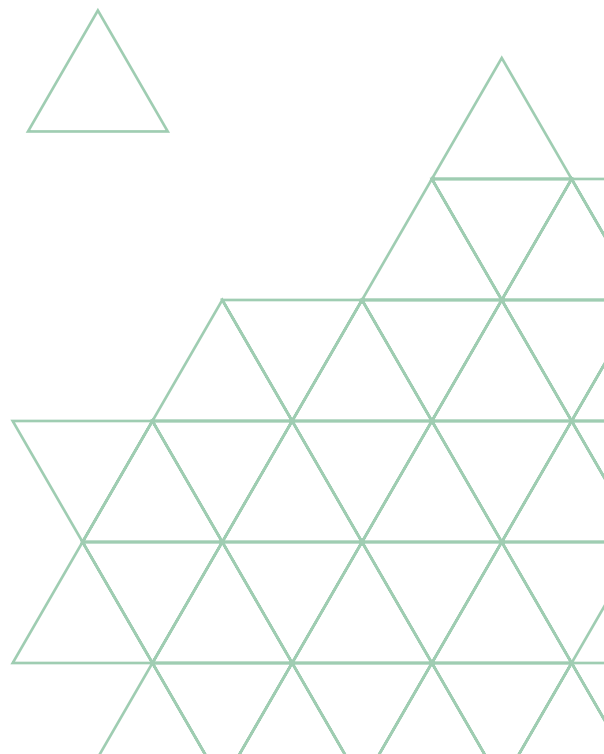
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INCINER8 I8-1000A TECHNICAL DATASHEET



The flagship model within our agricultural lineup is the i8-1000A, it is the biggest machine within our agricultural range and took over three years to develop. The i8-1000A is at the forefront of combustion technology and offers impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. The i8-1000A can be customised with viewing windows, external cladding and automatic loading to provide an effective and sustainable waste disposal solution for many different types of agricultural waste. The i8-1000A also has the benefit of being fitted with our NX PLC control panel including smartpanel technology allowing operators to remotely monitor performance and diagnose any issues should they occur.



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i8-1000A FEATURES

- Fully insulated chamber to retain heat and improve combustion
- Rapid, complete and efficient waste disposal
- Patented safety handle for easy access to chamber
- High quality refractory lining and insulation
- Easy to use CE7 control panel
- Programmable temperature control for complete combustion
- Secondary chamber* with 2 second retention time
- Fast pre-heat and continual high temperature performance
- Low energy consumption levels

* Our primary and secondary combustion chambers are constructed from superior grade steel and state-of-the-art monolithic concrete refractory with a unique concave design to prevent cold spots and maximize heat retention during the start-up and combustion processes. When the secondary burner is activated a flame curtain is created which ensures the thermal decomposition of smoke and harmful emissions to produce a clean, odourless vapour exiting the chimney stack.

TECHNICAL BREAKDOWN

model: i8-1000A

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

SAFE USE HANDLES

Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

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TECHNICAL SPECIFICATION

model: i8-1000A

OPERATIONAL SPEC

Combustion Chamber Volume (m ³)	8.70m ³
Burn Rate (Kg p/h)	Up to 800Kg
Fuel Consumption (Ltrs p/hour)	40-50 ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	Top Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP55
Heat Recovery	Yes
Auto Ash Removal	Yes
Auto Loader Compatible	Yes
Remote Monitoring	Yes
Ash Residue	3-5%
Recommended Operational Temperature	850°C

PHYSICAL SPEC

Assembled L/W/H (mm)	6900 x 2900 x 6260
Assembled Weight (Kg)	24000kg
Door Size (mm)	4000 x 1500mm
Thermocouples (Qty)	7
Steel Thickness (mm)	4mm
No. Of Burners	7
Refractory Composition	Coretex
Operating Footprint	58.41m ²
Cool Touch Cladding	Yes
Viewing Portal	No
Tertiary Air Fan	No

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