



GENERAL INCINERATOR



**GENERAL 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.



YOUR TRUSTED PARTNER FOR ALL TYPES OF WASTE INCINERATION

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.

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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.

i8-10S



The i8-10S General Incinerator is one of our most compact and effective small incinerators with suitability for various waste types including general, medical and animal. The addition of a secondary chamber allows this model to operate without smoke, odours or harmful emissions. Great value and professionally engineered.

OPERATIONAL SPEC

Combustion Chamber Volume	0.1m ³	Door Size (mm)	330 x 330mm
Burn Rate*	up to 10kg p/h	External Length (mm)	1300mm
Average Fuel Consumption	3-4 ltrs p/h	External Width (mm)	700mm
Operational Temperature	> 850°C	External Height (mm)	3280mm
Gas retention	2 secs	Shipping Weight	500kg

*Burn rates dependent on waste stream and calorific value

PHYSICAL SPEC

TYPICAL APPLICATIONS:

- Document Waste
- Contraband/Drugs
- Remote Camps
- Small Island Communities
- Event Waste
- Refugee Camps





i8-20G



The i8-20G is one of the smallest general incinerators in our range. The top-loading design means liquids are well contained within this system during combustion. The i8-20G is perfect for small camps, individual businesses or communities where waste streams are low. It is one of the most affordable ways to introduce yourself to the world of Inciner8.

OPERATIONAL SPEC

Combustion Chamber Volume	0.18m ³
Burn Rate*	up to 20kg p/h
Average Fuel Consumption	4-6 ltrs p/h
Operational Temperature	> 850°C
Gas retention	2 secs

PHYSICAL SPEC

Door Size (mm)	490 x 490
External Length (mm)	1600
External Width (mm)	670
External Height (mm)	3670
Shipping Weight	800kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Document Waste
- Remote Camps
- Contraband/Drugs
- Small Island Communities
- School/College Campuses
- Military operations

i8-40G



Our i8-40G builds upon the success of our i8-20G and is a simple and effective incinerator from our small range. It excels due to its suitability for various non-hazardous waste types such as wood, paper, cardboard and other uncontaminated materials. It features advanced chamber technology with an afterburner for the re-burn of harmful emissions with a 2 second retention time to comply with stringent environmental standards. This is 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 30kg p/h	External Length (mm)	1600
Average Fuel Consumption	9-11 ltrs 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:

- Contraband/Drugs
- Document Waste
- Remote Camps
- Cannabis Waste
- Holiday Resorts
- Event Waste





i8-55G



i8-55G model, a great investment, is a mid range incinerator. The i8-55G General Incinerator is one of the most popular models in our medium capacity range due to its simple, effective use as a multi-purpose incinerator with suitability for disposing of general and medical waste. The addition of advanced secondary chamber technology with a gas retention time of 2.0 seconds allows to i8-55A to comply with stringent environmental standards for various types of waste. The top-loading design means liquids are well retained within the system during combustion and its smaller size belies high efficiency and impressive burn rates.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.54m ³	Door Size (mm)	720 x 830
Burn Rate*	up to 40kg 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)	4080
Gas retention	2 secs	Shipping Weight	2100kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Holiday Resorts
- Event Waste
- Cannabis Waste
- Small Island Communities
- School/College Campuses
- Military operations

i8-75G



i8-75G model is a mid range incinerator, giving you quality design and engineering. The i8-75G General Incinerator is one of the most popular models in our medium capacity range due to its simple, effective use as a multi-purpose incinerator with suitability for disposing of general solid waste and medical waste. The addition of advanced secondary chamber technology with a gas retention time of 2.0 seconds allows the i8-75G to comply with stringent environmental standards for various types of waste.

OPERATIONAL SPEC

PHYSICAL SPEC

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

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Commercial Waste
- Industrial Waste
- Event Waste
- Small Island Communities
- Holiday Resorts
- Military Operations





i8-140G



Our i8-140G is a model that can be used for a variety of applications. The large capacity, advanced secondary chamber technology and option for automatic waste loading provide an effective and sustainable waste disposal method for many different types of industries generating a high daily volume of waste. It delivers a clean and tidy effective waste solutions and can be a great return on your investment.

OPERATIONAL SPEC

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

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Emergency Camps
- Refugee Camp
- Mining Operations
- Small Island Communities
- Cannabis Waste
- Military Operations

i8-200G



The i8-200G is the middle incinerator in our medium lineup. It can be used for a variety of applications, large enough to offer impressive burn rates and batch sizes, whilst still being small enough to fit in a 20ft container. The i8-200G features a top-loading design with a large opening for bulky waste items. Like all our 'G' range models it features a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	1.92m ³	Door Size (mm)	2040 x 1060
Burn Rate*	up to 180kg 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

TYPICAL APPLICATIONS:

- Commercial Waste
- Industrial Waste
- Event Waste
- Mining Operations
- Small Island Communities
- Cannabis Waste



I8-250G



I8-250G model is the first of our larger models with the internal capacity to handle larger bulky single items. The I8-250G is a high capacity model from our range of general waste incinerators with suitability for various waste streams such as RDF, SRF, wood, paper, cardboard and plastics. The large capacity, advanced secondary chamber technology and option for automatic waste loading provides an effective and sustainable waste disposal method for many different types of industries generating a high daily volume of waste. This unit benefits from a large secondary chamber with an afterburner for the re-burn of harmful emissions at over 850°C with a 2 second retention time.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	2.4m ³	Door Size (mm)	2530 x 1060
Burn Rate*	up to 220kg p/h	External Length (mm)	3900
Average Fuel Consumption	25-30 ltrs p/h	External Width (mm)	2100
Operational Temperature	> 850°C	External Height (mm)	4640
Gas retention	2 secs	Shipping Weight	8000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Large Hotels
- Industrial Waste
- Event Waste
- Contraband/Drugs
- Cannabis Waste
- Mining Operations

i8-500G



One of our newest systems is the i8-500, It uses groundbreaking design and uses features found on our much larger machines. The i8-500 took over two years to develop and 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 features a large loading chamber which can easily accomodate a full carcass or 350kg per batch of other waste.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	5.00m ³	Door Size (mm)	3500 x 1500
Burn Rate*	up to 300kg 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:

- Large Hotels
- Industrial Waste
- Remote Camps
- Island Communities
- Cannabis Waste
- Military Operations



i8-700G



The second biggest model in our general range is the i8-700G. The machine was designed to outperform 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 for many different types of industries with large volumes of waste such as RDF, SRF and MSW. 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. The top-loading design provides liquid retention making this incinerator ideal for the incineration of many different waste streams. Unless specified this model uses our NX PLC range of control panels.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	6.75m ³	Door Size (mm)	4580 x 1500
Burn Rate*	up to 400kg 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:

- Industrial Waste
- Holiday Resorts
- Remote Camps
- College Campuses
- Mining Operations
- Large Event Waste

i8-1000G



The flagship model within our general lineup is the i8-1000G. It took over three years to develop and is at the forefront of combustion technology, offering impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. The i8-1000G 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 industries with large volumes of waste such as RDF, SRF and MSW. It also has the benefit of being fitted with our smartpanel technology allowing operators to remotely monitor performance and see reports from anywhere in the world. Unless specified this model uses our NX PLC range of control panels.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	8.70m ³	Door Size (mm)	4000 x 1500
Burn Rate*	up to 600kg 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:

- Industrial Waste
- Mining Operations
- Cannabis Waste
- Large Hotel Resorts
- Remote Camps
- Military Operations



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.



BIN TIPPER

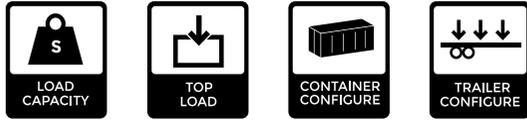
Inciner8's bin tipper allows heavy waste items to be loaded into the primary chamber with ease. Due to the automatic nature of the machine, it means your operation will be more seamless and safer. Thus reducing any potential injuries to the operator/s.



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.

SIROCCO



The Sirocco is our smallest and most portable waste incinerator and has been designed to be easy to relocate and use almost anywhere. Requiring just a small amount of electricity to power the fan - no other fuel source is required. The efficient process reduces waste to as little as 3% of its initial volume. It uses cyclonic air technology by using the high-pressure fan to pull air into the main drum to create a high oxygen environment. This creates optimum conditions for complete combustion with impressive burn rates and the added benefit of no smoke or smell.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.2m ³	Door Size (mm)	0.57Ø
Burn Rate*	up to 15kg p/h	External Length (mm)	900
Electricity Consumption	0.26 kW/h	External Width (mm)	600
Gas Retention	0.5 secs	External Height (mm)	1200
Average Ash Residue (%)	3%	Shipping Weight	70kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Document Waste
- Contraband/Drugs
- Remote Camps
- Small Island Communities
- Invasive Plants
- Event Waste





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