

# AIS 1870 CYCLONE STATIC

## PRODUCT DETAILS

PRODUCT DETAILS | FEATURES | SPECIFICATIONS |  
WARRANTY INFORMATION



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One of the key reasons our incinerators are recognized as being '*probably the best*' on the world market, is the use of our market leading and trusted low thermal mass monolithic concrete lining which is used in all of our models.

All models in the Cyclone Range are supplied with a secondary chamber, ensuring they fully conform to many legislative bodies around the world.

## AIS 1870 Cyclone Static

- This model is available as a Static, Mobile or Transportable Incinerator.
- Suited for a wide range of animal carcasses and animal-by-products generated across the agricultural sector including; Pigs & Sows, Poultry, Dairy / Beef Cattle, Abattoirs, Slaughterhouses, Rendering Operations, Meat Processors, Sheep.
- Easy to load via a slide Open/Close lid located on the top of the incinerator, giving full access to a large main burning chamber. Manual operation as standard or upgrade to the automated Lid.
- Fully programmable touch screen HMI control panel with automatic burner shut off function and fast ignition burners. Four burners are in the main chamber, with one above the grate bars and three below. One additional burner is in the secondary chamber.
- Unique market leading grate bar technology for fast and complete incineration.
- With a \*High burn rate of up to 520kg/1147 lbs per hour and a loading capacity of 1900kg / 4190 lbs, this allows for the Bio-secure, regular disposal of large quantities of waste in the shortest time possible.
- Can be loaded whilst in operation maximizing the inherent thermal efficiency of our monolithic concrete lining, keeping running costs low.
- Ash doors, as standard, allows the user to safely remove ash whilst the machine is in operation, so you can keep on loading and burning your waste, saving time.
- Optional Extra features include; Automated Open/Close Lid / Stack Extension / Ash Rake / Heat Exchanger / Control Panel screen size increase / Service Kits.

\*Higher burn rates are dependent on efficient usage and waste type. This may be subject to your local regulations. Speak to a member of our team for more information.



Image shown is of the Main Chamber, machine running

Model shown is of the AIS 1870 Cyclone with manually operated Open/Close Lid - automated version available



“Our mission is to build the most robust, fuel-efficient, cost-effective solution for the disposal of animal and animal by product waste and to continue to be the brand that is known world-wide for both quality of product and quality of customer service”.

### Be Assured of a Quality Product & Quality Service with AIS:

- Each machine is hand built by our team of skilled technicians in the UK and U.S.
- The reason your incinerator will last is due to the type of lining used. Our trusted monolithic casting system ensures maximum strength, reliability and a longer machine life. We are always happy to explain why our technology is far better than any other manufacturers product on the world market. Talk to us to find out more and make your own mind up.
- Behind the AIS brand is a team of experts who are always on hand to discuss any questions that you may have about incineration, so you can be assured of great service and a great product.
- But it goes beyond that, we stay with you for the life of the machine, always on hand if or when you need us. It's a people thing, it's an AIS thing.

*3 Year Warranty as standard, talk to us about a long-term Service Plan to suit you*

### \*3 YEAR WARRANTY AS STANDARD:

The whole plant and associated equipment supplied as part of the overall installation will be covered by a \*36-month or 2100 hours warranty (whichever soonest) from the date of dispatch from the manufacturing premises of Agri Incineration Systems Limited, except for any consumable item as listed below and provided that:

- a) Each defect has materialized under normal operating conditions and not due to misuse, abuse, or operational errors.
- b) An effective maintenance regime is operated which may include a Service Contract being taken up at the time of handover. This Service Contract should be provided by Agri Incineration Systems Limited or trained and authorized agents.
- c) The contract price, as detailed within the quotation or as amended by agreement of both parties, has been paid in full.

#### Consumable Parts (Items not covered under Warranty).

1. Primary Chamber Thermocouples
2. Secondary Chamber Thermocouples
3. Access Door seals
4. Control Panel indicator bulbs or LEDs
5. Burner electrodes and leads
6. Burner probes and leads
7. Burner Blast Tubes
8. Burner Diffuser Assemblies
9. Burner nozzles / ionization probes
10. Grate Bars
11. Mechanical damage of any sort



Specifications	Unit - Metric		Unit - Imperial	
*Burn Rate	Up to kg/hr	520	Up to lbs/hr	1147
Front / Top Load		Top		Top
Static Operational Dimensions (LxWxH)	m	5.8 x 2.8 x 4.9	feet/inch	19' 2" x 9' 4" x 15' 11"
External Height - Static	mm *inc. Stack	4857	feet/inch *inc. Stack	15' 11"
External Height - Static	mm *ex. Stack	2754	feet/inch *ex. Stack	9'
Weight	Tonne *estimated	12.5	lbs *estimated	27558
Load Height from Ground (floor to bottom edge)	mm	1750	feet/inch	5' 9"
*Fuel Consumption Diesel	LPH *est during main burn	24 - 37	GPH *est during main burn	6.4 - 9.8
*Fuel Consumption LPG	LPH *est during main burn	35 - 55	GPH *est during main burn	8.6 - 14.6
*Fuel Consumption Nat Gas	m³/h *est during main burn	24 - 37	ft³/h *est during main burn	856 - 1304
Grate Bars		30		30
Load Door Opening (Width x Height/Depth)	mm *area	2000 x 1900	ft/inch *area	6' 7" x 6' 3"
Chamber Size (LxWxH)	m	2.0 x 1.9 x (1.5 - 2.1)	ft/inch	6' 7" x 6' 3" (4'11" - 7'3")
Chamber Actual Volume	m³	5.55	ft³	196
Chamber Load Volume	m³	3.44	ft³	121
*Chamber Load Capacity	kg	1900	lbs	4190
Std Stack Diameter	inch/mm *2D Size	540mm	inch/mm *2D Size	540mm
No. Main Burners		4		4
No. Secondary Burners		1		1
Burner Output	kW *heat	535	Btu *heat	1,825,496
Electric Consumption	kW *electricity	1.6	kW *electricity	1.6

\*The optimum performance of the incinerator is dependent upon efficient usage and waste type

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Speak to a member of AIS today.

Call us on: (217) 335-4558

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