



# AIS 055 CYCLONE

---

## PRODUCT DETAILS

PRODUCT DETAILS | FEATURES | SPECIFICATIONS |  
WARRANTY INFORMATION



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 our models.

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

## AIS 055 Cyclone

- Suited for Large Pig Operations such as Growers, Finishers and Sows, full access to the main chamber ensures users can load the machine via skid loaders and tractor buckets.
- The AIS 055 Cyclone is recognized for also being able to deal with other animal-by-products generated across the agricultural sector including: Poultry, Ewes, Lambs, Game Farms, Estates, Butchers and Farm shops, and is ideal for those looking for a quick, effective and bio-secure animal-by-product incineration solution.
- Access to the main chamber is via a Top Loading counterbalance lid.
- PLC timer controls with automatic burner shut off function and fast ignition burners. Two temperature-controlled burners in the main chamber and one in the secondary chamber.
- Burns up to \*56kg /124 lbs per hour.
- Load capacity of up to 490 kg/1080 lbs.
- Can be loaded whilst in operation maximizing the inherent thermal efficiency of our trusted monolithic concrete lining, keeping running costs low.
- Optional Extra features include; Grate Bars / USB Data Logger / Ash Door / Stack Extensions / Ash Rake / Simple Heat Exchange system / Control Panel screen size increase / Service Kits.



AIS 055 Cyclone Main Chamber View

AIS 055 Cyclone Front View

Optional Extra Feature -Ash Door view

**3 YEARS**  
WARRANTY  
PARTS & LABOR

\* Burn Rate dependant on efficient usage and may be subject to your local regulations. Speak to a member of our team for more information.

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

- Each machine is hand crafted 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:

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

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



Specifications	Unit - Metric		Unit - Imperial	
*Burn Rate	Up to kg/hr	56	Up to lbs/hr	124
Front /Top Load		Top		Top
Operational Dimensions (LxWxH)	m	3.3 x 2.2 x 3.3	feet/inch	10' 10" x 7' 3" x 10' 10"
External Height	mm *inc. Stack	3300	feet/inch *inc. Stack	10' 10"
External Height	mm *ex. Stack	2198	feet/inch *ex. Stack	7' 3"
Weight	Tonne *estimated	2.9	lbs *estimated	6394
Load Height from Ground (floor to bottom edge)	mm	1000	feet/inch	3' 3"
*Fuel Consumption Diesel	LPH *est during main burn	7.5 – 11.4	GPH *est during main burn	2.0 – 3.0
*Fuel Consumption LPG	LPH *est during main burn	10 – 17	GPH *est during main burn	2.0 – 4.5
*Fuel Consumption Nat Gas	m <sup>3</sup> /h *est during main burn	7 – 11	ft <sup>3</sup> /h *est during main burn	264 – 402
Grate Bars		Optional		Optional
Load Door Opening (Width x Height/Depth)	mm *area	2200 x 900	ft/inch *area	7' 3" x 2' 11"
Chamber Size (LxWxH)	m	2.2 x 0.9 x 0.9	ft/inch	7' 3" x 2' 11" x 2' 9"
Chamber Actual Volume	m <sup>3</sup>	1.68	ft <sup>3</sup>	59
Chamber Load Volume	m <sup>3</sup>	0.88	ft <sup>3</sup>	31
*Chamber Load Capacity	kg	490	lbs	1080
Std Stack Diameter	inch/mm *2D Size	16"	inch/mm *2D Size	16"
No. Main Burners		2		2
No. Secondary Burners		1		1
Burner Output	kW *heat	165	Btu *heat	563,003
Electric Consumption	kW *electricity	0.3	kW *electricity	0.3

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