



AIS 040 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 040 Cyclone

- With a load capacity of up to 540kg / 1191 lbs the AIS 040 Cyclone incinerator can dispose of large quantities of animal waste making it suitable for managing day to day mortality of large farming operations.
- The AIS 040 Cyclone is recognized for being very effective at dealing with animal-by-products generated across the agricultural sector including: Broiler sites, due to the AIS 050's unique ability to handle the volume changes that occur within the crop cycle AND Nursery sites where farms are dealing with piglet mortality daily.
- With a high hourly burn rate of up to *116kg / 256 lbs. the AIS 040 is ideal for those looking for a fast, effective and bio-secure animal-by-product incineration solution.
- The uniqueness of the AIS 040 comes from the grate bars, supplied as standard in this machine. The flexibility of the use of the grate bars allows you to increase or decrease the spacing between them, depending on waste type. The design of the grate bars allows the ash to fall through to the floor of the main chamber and with ash doors, fitted as standard, this allows you to safely remove ash whilst the machine is in operation, so you can keep on loading and burning your waste, saving time.
- Fuel use is kept to a minimum through the multi zoned temperature monitoring system and air control.
- The full access to the main chamber via a Top Loading counterbalance lid ensures users can load the machine via skid loaders and tractor buckets.
- PLC timer controls with automatic burner shut off function and fast ignition burners. Two temperature-controlled burners in the main chamber; one above the grate bars, one below the grate bars, and one additional burner in the secondary chamber.
- 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; USB Data Logger / Stack Extensions / Ash Rake / Additional spare Grate Bars / Simple Heat Exchange system / Control Panel screen size increase / Service Kits.

* Burn Rate 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	116	Up to lbs/hr	256
Front /Top Load		Top		Top
Operational Dimensions (LxWxH)	m	3.4 x 3.0 x 3.2	feet/inch	11' 2" x 9' 10" x 10' 6"
External Height	mm *inc. Stack	3200	feet/inch *inc. Stack	10' 6"
External Height	mm *ex. Stack	2100	feet/inch *ex. Stack	6' 11"
Weight	Tonne *estimated	3.3	lbs *estimated	7276
Load Height from Ground (floor to bottom edge)	mm	1256	feet/inch	4' 1"
*Fuel Consumption Diesel	LPH *est during main burn	8.8 – 13.5	GPH *est during main burn	2.3 – 3.6
*Fuel Consumption LPG	LPH *est during main burn	12 – 20	GPH *est during main burn	2.5 – 5.3
*Fuel Consumption Nat Gas	m³/h *est during main burn	9 – 13	ft³/h *est during main burn	312 – 475
Grate Bars		Yes		Yes
Load Door Opening (Width x Height/Depth)	mm *area	2148 x 1060	ft/inch *area	7' 1" x 3' 6"
Chamber Size (LxWxH)	m	2.2 x 1.1 x 0.6	ft/inch	7' 3" x 3' 7" x 1' 10"
Chamber Actual Volume	m³	1.33	ft³	47
Chamber Load Volume	m³	0.98	ft³	34
*Chamber Load Capacity	kg	540	lbs	1191
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	197	Btu *heat	672,192
Electric Consumption	kW *electricity	0.35	kW *electricity	0.35

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