

AERATION SYSTEMS



The Rocket

The Rocket is the premium hopper aeration system. Designed to facilitate both conditioning and natural air drying applications.

FEATURES

- Air delivery penetrates the core of the bin, where air is most difficult to move
- Provides uniform airflow throughout the grain mass
- Rocket design minimizes additional static pressure created by the duct system
- Greater maximum airflow capacity than other types of duct systems
- Larger grain contact area to distribute air more efficiently into the grain mass
- Hollow center by design to relieve structural pressure during bin unloading
- Smooth louvered surface allows for clean unloading
- Shipped with fold-up legs attached, allowing for easy assembly in the field



The Retro Rocket

The innovative retro rocket allows you to retrofit an existing hopper bin with proven Grain Guard Rocket aeration design.

FEATURES

- Similar performance and advantages of the Rocket
- Unique folding design allows unit to be inserted through the inspection hatch, eliminating need to remove bin wall or cone sheet panels for installation
- Unit features simple detachable hinges, allowing it to come apart and fit through smaller bin openings one section at a time, as well as quick reassembly and installation once inside the bin



GRAIN GUARD HOPPER AERATION SYSTEMS - ROCKETS SPECIFICATIONS (A)

PART #	DESCRIPTION	LOUVERED AREA (SQ. FT.)	CONTACT AREA (SQ. FT.) (C)	AIRFLOW CAPACITY (CFM) (D)	MAX. BIN DIAMETER (FT.)	MAX. BIN WALL HEIGHT (FT.)	MAX. HOPPER ANGLE
GGR-8736	6000 6' Rocket	20	22	2372	14'	16'	40°
GGR-8737	7000 4' Rocket	45	36	3362	19'	30'	40°
GGR-8738	7000 6' Rocket	69	50	4781	19'	30'	40°
GGR-8750	7000 6' HD Rocket	69	50	4781	19'	33'	45°
GGR-8739	7000 8' Rocket	93	64	6170	19'	22'	40°
GGR-8740	8000 4' Rocket	67	59	5514	24'	30'	40°
GGR-8741	8000 6' Rocket	105	80	7671	24'	30'	40°
GGR-8742	8000 8' Rocket	142	102	9783	24'	22'	40°
GGR-8745	8000 8' HD Rocket	142	102	9783	27'	33'	40°
GGR-8743	8000 4' Commercial (B)	67	59	5514	27'	40'	45°
GGR-8744	8000 6' Commercial	105	80	7671	24'/27'	40'/33'	45°
GRS-7004	Retro Rocket 4'	45	30	3546	19'	22'	40°
GRS-7006	Retro Rocket 6'	68	44	4868	19'	22'	40°

A - Specifications are for farm use in aeration or natural air drying applications with 1 or 2 duty cycles per year.

- For use in other applications, please contact the factory for recommendations. (e.g. wet holding bins, high product turns.)

B - Commercial Rockets are used in taller bins, steeper cones, high product turns.

C - Contact area is the area in which the duct makes contact with the grain and can effectively distribute air to the grain mass.

D - Airflow capacity is calculated at 1000 cfm/sq. ft. open area.

Horizontal Duct System

Designed as a versatile grain conditioning solution for hopper bottom bins.

- For use in 14' to 24' hoppers
- Downward facing louvers that provide improved clean-out
- Available in modular 3', 4', 6', 7', and 8' sections to adapt to various bin diameters
- Support frame not included, supplied by cone manufacturer



HORIZONTAL AERATION TUBE SPECIFICATIONS

PART #	DESCRIPTION	LOUVERED AREA (SQ. FT.)	CONTACT AREA (SQ. FT.) (A)	AIRFLOW CAPACITY (CFM) (B)	DUCT DIAMETER (INCHES)	MAX. BIN WALL HEIGHT (FT.)	MAX. HOPPER ANGLE
GGR-8137	GG 9000-3' Tube Ext	12	14	679	18"	22'	40°
GGR-8138	GG 9000-4' Tube Ext	16	19	915	18"	22'	40°
GGR-8139	GG 9000-6' Tube w/Cap	24	28	1358	18"	22'	40°
GGR-8140	GG 9000-7' Tube w/Cap	28	33	1594	18"	22'	40°
GGR-8141	GG 9000-8' Tube w/Cap	32	38	1829	18"	22'	40°
GGR-8129	GG-10000 3' Tube Ext	16	18	938	24"	22'	40°
GGR-8130	GG-10000 4' Tube Ext	22	25	1266	24"	22'	40°
GGR-8143	GG-10000 6' Tube Ext	33	37	1875	24"	22'	40°
GGR-8145	GG-10000 7' Tube Ext	38	43	2204	24"	22'	40°
GGR-8131	GG-10000 6' Tube w/Cap	33	37	1875	24"	22'	40°
GGR-8132	GG-10000 7' Tube w/Cap	38	43	2204	24"	22'	40°
GGR-8133	GG-10000 8' Tube w/Cap	44	49	2531	24"	22'	40°

A - Contact area is the area in which the duct makes contact with the grain and can effectively distribute air to the the grain mass.
 B - Airflow capacity is calculated at 1000 cfm/sq. ft. open area.

Quonset Systems

- Modular design allows flexible configurations for conditioning grain piles
- Contact AGI Nobleford for specifications and layout recommendations



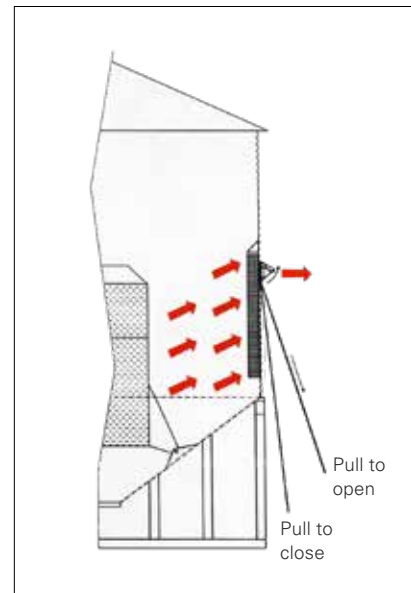
OPTIONS

Wall Vents

- Designed to enhance the aeration system by reducing static pressure in the bin
- Reduces drying time by removing moisture from the lower half of the bin

Transitions and Adaptors

Grain Guard offers a wide range of transitions and adaptors to adapt aeration fans and heaters to various types of aeration systems.





GRAIN GUARD is an AGI Brand.

AGI is a leading provider of equipment solutions for agriculture bulk commodities including seed, fertilizer, grain, and feed systems with a growing platform in providing equipment and solutions for food processing facilities. AGI has manufacturing facilities in Canada, the United States, the United Kingdom, Brazil, India and Italy and distributes its products globally.

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