

AIRMAX® AERATION



The **MERIDIAN AIRMAX®** system **cools & dries grain and seed**, **minimizes** the risk of **bugs**, allows **earlier harvest** and **significantly decreases** the chance of **spoilage**.



VERTICAL ONE PIECE AERATION

- Aeration system design enables natural air grain drying as conditions permit
- Continuous screen from top to bottom
- Angle rib construction distributes point load pressures
- 24" rib spacing maximizes aeration area
- Full leg support 4" up aeration
- Complete interior screen perforated to lid
- Duct clean out shroud
- Factory installed in 40 & 45 degree Meridian bins
- 3 leg design

| MODELS | MAX BIN SIZE (BUSHELS) ¹ | RECOMMENDED HOPPER BIN SIZE ² | DIMENSIONS | DIA. I.D | WEIGHT (LBS) | SCREEN SURFACE (INCHES) | INLET SIZE AND TYPE | HEIGHT INTO GRAIN CAVITY 35° CONE ³ | HEIGHT INTO GRAIN CAVITY 40° CONE ³ | HEIGHT INTO GRAIN CAVITY 55° CONE ³ |
|---|-------------------------------------|--|------------|----------|--------------|-------------------------|---------------------|--|--|--|
| VERTICAL AERATION – ONE PIECE | | | | | | | | | | |
| V3004 | 3500 | 14' & 16' bins up to 3500 bushels. Models 1615, GM3 and smaller | 30" x 4' | 20" | 385 | 6299 | 9" x 14" Rect | n/a | 86" | n/a |
| V3006 | 5000 | 14' & 16' bins up to 5000 bushels. Models 1625, GM5 and smaller | 30" x 6' | 20" | 440 | 9656 | 9" x 14" Rect | n/a | 110" | n/a |
| V3008 | 6000 | 14' & 16' bins up to 6000 bushels. Models 1630, GM6 and smaller | 30" x 8' | 20" | 525 | 13132 | 9" x 14" Rect | n/a | 134" | n/a |
| V4504 | 7000 | 14', 16' & 18" bins up to 7000 bushels. Models 1825, GM64 and smaller | 45" x 4' | 30" | 580 | 9301 | 14" x 17" Rect | n/a | 95" | n/a |
| VERTICAL AERATION – SECTIONAL (DESIGNED FOR RETROFITTING EXISTING HOPPER BINS AND HIGH-FLOW APPLICATIONS) ⁴ | | | | | | | | | | |
| VS3004 | 5000 | All bins up to 5000 bushels | 30" x 4' | 20" | 420 | 5245 | 9" x 14" Rect | 80" | 86" | 99" |
| VS3006 | 8000 | All bins up to 8000 bushels | 30" x 6' | 20" | 500 | 7990 | 9" x 14" Rect | 104" | 110" | 123" |
| VS4504 | 15000 | All bins up to 15000 bushels | 45" x 4' | 30" | 600 | 7925 | 14" x 17" Rect | 88" | 95" | 116" |
| VS4506 | 20000 | All bins up to 20000 bushels | 45" x 6' | 30" | 745 | 12100 | 14" x 17" Rect | 112" | 119" | 140" |
| HORIZONTAL AERATION (REMOVABLE FOR FERTILIZER STORAGE AND AVAILABLE FOR RETROFITTING EXISTING BINS) | | | | | | | | | | |
| H1808 | 5000 | 14' & 16' bins up to 3300 bushels. Models 1615, GM3 and smaller | 18" x 8' | n/a | 155 | 3478 | 18" Rnd | 38" | 44" | n/a |
| H2408 | 6500 | 14', 16' & 18' bins up to 5000 bushels. Models 1625, 1820, GM500 and smaller | 24" x 8' | n/a | 235 | 4660 | 24" Rnd | 44" | 50" | n/a |
| H2410 | 6500 | 14', 16' & 18' bins up to 6500 bushels. Models 1630, 1825, GM6, GM64 and smaller | 24" x 10' | n/a | 285 | 6284 | 24" Rnd | 51" | 59" | n/a |
| H2410-HD | 8,500 | Up to 18' diameter | 24" x 10' | 24" | 360 | 6284 | 24" Rnd | 51" | 59" | n/a |
| H2412-HD | 11,000 | Up to 20' diameter | 24" x 12' | 24" | 425 | 7908 | 24" Rnd | 58" | 68" | n/a |

1. Recommended bushel capacities for Meridian AirMax[®] system.

2. Recommended bin model(s) for maximum grain drying and aeration results.

3. Distance from gate to top of aeration mechanism.

4. Meridian AirMax[™] Sectional system is an exclusive and unique aeration product allowing installation of vertical aeration in existing hopper bins. This unit is built heavier than the one-piece Meridian AirMax[®], withstanding weights up to 20,000 bushels.

VERTICAL SECTIONAL AERATION

- Aeration system design enables natural air grain drying as conditions permit
- Continuous screen from top to bottom
- Angle rib construction distributes point load pressures
- 24" rib spacing maximizes aeration area
- Full leg support 4" up aeration
- Complete interior screen perforated to lid

- Duct clean out shroud
- Factory installed in 40 & 45 degree Meridian bins
- 3 leg design

HORIZONTAL AERATION

- Aeration design enables easy removal of aeration tube for cleaning or fertilizer storage
- Continuous screen from end to end
- Angle rib construction distributes point load pressures
- 24" rib spacing maximizes aeration area
- Fits 40 & 45 degree cones
- Bolt-in version is available for installation into existing hopper bins
- Removable duct

MERIDIAN AIRMAX® FANS



1 Fan Mounting Bracket



1 Centrifugal Fans



In-line Fans

MERIDIAN AIRMAX® AERATION



Vertical One Piece Aeration



Vertical Sectional Aeration



Horizontal Aeration



MERIDIAN AIRMAX® 360 IN-HOPPER AERATION

The AirMax™ 360 offers a high-performance aeration system that surrounds the full circumference of the hopper cone. With no perforation, there are no screens to remove when changing seed varieties, resulting in virtually no cleaning or cross-contamination.

An ideal use for SmoothWall Hopper Bins in the seed industry, the AirMax™ 360 features a continuous air duct starting from the top of the cone and pointing down toward the center. This design forces air into the center of the grain cavity, which is necessary for even grain conditioning.

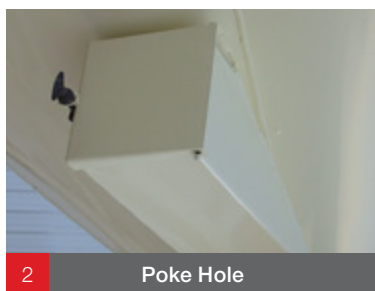


WITH A FULL RANGE OF CUSTOM OPTIONS, **MERIDIAN**

BIN ACCESS OPTIONS



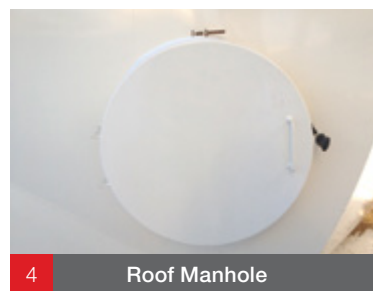
Pail Spout



2 Poke Hole



3 Bottom Manway



4 Roof Manhole



Top Lid Lever Assembly

LEVEL INDICATORS



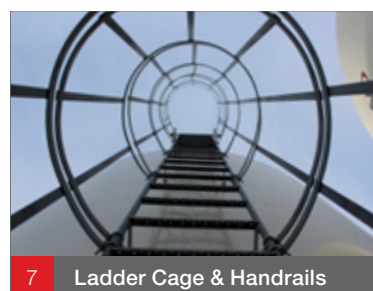
5 LevAlert



6 View Glass



Liquid Site Gauge Valve

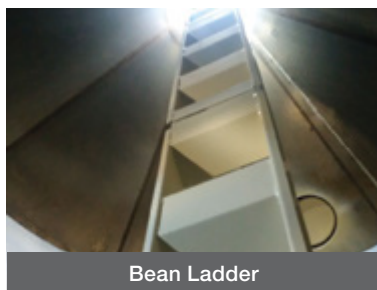


7 Ladder Cage & Handrails



Fall Arrest

MISCELLANEOUS OPTIONS



Bean Ladder



8 Skid Foundation



9 Rack-n-Pinion slide gate assembly

DISCHARGE OPTIONS



Auger Boot



Slide Gate to Chore Time Adaptor

OTHER OPTIONS SUCH AS LEG EXTENSIONS, FILL TUBES, ROOF VENTS, AND VENT TUBES AVAILABLE. CONTACT SMOOTHWALL@MERIDIANMFG.COM FOR FULL LIST OF OPTIONS AND AVAILABILITY.

SMOOTHWALL BINS ARE DESIGNED FOR YOUR OPERATION.