- Prevent Bin Wall Spoilage
- Easy, Low Cost Installation
- Prevent Moisture Condensation on the Inside Bin Wall
Stop Bin Wall Spoilage

The Problem

Condensation Causes Spoilage

- Drying grain requires removing large quantities of water - about 1 gallon per bushel (10 pt. removal).
- Cool outside temperatures cause the warm, moist air to condense on the cold bin wall, making the layer of grain next to the bin wall wetter.
- As the outside temperature drops, this wet grain freezes to the bin wall.
- When the temperatures rise, the grain thaws, sprouts, and spoils.
- Spoilage eats the galvanizing off the bin wall and can weaken the bin.
- The problem worsens in colder climates and when using higher drying temperatures.

A Little Spoilage Can Cost a Lot

Bin wall spoilage can spread quickly, but even a small amount can be very expensive (see chart below). In addition to the money lost, spoiled grain sticks to the bin wall, adding stress that could collapse a bin.

<table>
<thead>
<tr>
<th>Bin Size (w/ grain 12' deep)</th>
<th>Bin Wall Spoilage</th>
<th>Bushels Lost</th>
</tr>
</thead>
<tbody>
<tr>
<td>24'</td>
<td>4''</td>
<td>240</td>
</tr>
<tr>
<td>30'</td>
<td>4''</td>
<td>300</td>
</tr>
<tr>
<td>36'</td>
<td>4''</td>
<td>360</td>
</tr>
<tr>
<td>42'</td>
<td>4''</td>
<td>420</td>
</tr>
<tr>
<td>48'</td>
<td>4''</td>
<td>480</td>
</tr>
</tbody>
</table>

*Spoiled grain may create a hazardous environment.

The Solution

Airways® Can Pay for Themselves in One Year

- Airways® are a system of perforated triangular-shaped steel tubes that pipe drying air along the bin wall.
- For ease of installation we offer pre-punched flashing.
- Airways® work like the defroster on a car, piping warm air where it is needed to remove moisture.
- Removing the moisture eliminates bin wall spoilage, so Airways® can pay for themselves in a very short period.

More Airflow

- Triangular-shaped opening provides more open area than competing tubes with round sleeves in the opening. More open area means more airflow.
- Small slots at predetermined intervals allow just the right amount of air up the bin wall to take out the extra moisture.
- Bin liners can create a chimney effect that allows unlimited amounts of air to channel up the bin wall, leading to higher drying costs due to wasted energy.

Easy and Inexpensive to Install

- Airways® may be used with large or small grain.
- Two lengths available: 10'6" and 12'. Both extend to the same height on the bin wall.
- Standard 10'6" tubes extend approximately 1" below the flashing.
- Optional 12' Airways® extend through the flashing and rest solidly on the concrete floor, giving additional support to the bin wall.
- Brackets fasten to existing bin bolts.
- Protect the areas around the ladder and door with an Airway Door Kit.

NOTE: Airways® are not a substitute for bin wall stiffeners when stiffeners are recommended. Specifications are subject to change without notice.