

Is Tunnel Ventilation Right for your Dairy?



By Rick McBay
Natural Ventilation Specialist

Properly designed exhaust fans, air inlets and air movement modifications help convert a concept designed for poultry to one that can be utilized on a dairy farm too.

Tunnel ventilation was originally introduced in the 1980s primarily as a solution to address bird mortality issues due to higher bird weights and densities in older, under-ventilated broiler chicken barns. Since these barns were typically 40-feet wide and usually less than 200-feet long with 8-foot high ceilings, they created a natural “tunnel” that was ideally suited to this type of ventilation. One end of the barn was opened for an inlet, while large fans were added to the opposite end. The systems were designed to provide a complete air change every 60 seconds, with an intake air velocity of 350 to 500 feet per minute. This high-speed air moved over the chickens, ruffling feathers, and provided much needed velocity cooling.



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Today, we see this same type of system being used in dairy barns for additional high heat ventilation. The typical design of these buildings, however, can create a challenge for this type of ventilation. Structures with widths up to and exceeding 130 feet, lengths exceeding 300 feet, high sidewalls and sloped ceilings combine to create a cross section that most definitely does not resemble a “tunnel”.

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In BarnCentral on our web site

Spring Maintenance for your Natural Ventilation System

By Steve Pullman

Service Installation Supervisor

The wheat is green, planters are cruising the back roads, your curtains are finally open and fresh air is rushing into your barn. With so many things to do to get your fields ready for the season, the last thing on your mind is the barn you've spent the whole winter in. But the simple fact is that this is the time when your ventilation needs your attention the most.



The Faromor Service Team (l-r) Paul Bowen-Smith, Drew Dotzert, Mike Cassidy, Steve Pullman



Bird nests can drip corrosive waste and get caught up in your cables, so be sure to remove them

I'll explain why. You may have thought that your system would be going into its summer slumber soon, so you could simply leave it be and walk away. In reality, spring is one of the most active times for your natural ventilation systems, as they must compensate between warm days and cool nights. The panels and curtains are moving more

often and further than they did all winter and are using parts that have not been used since October of the previous fall.

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ROUNDED BOTTOM TIP TANK

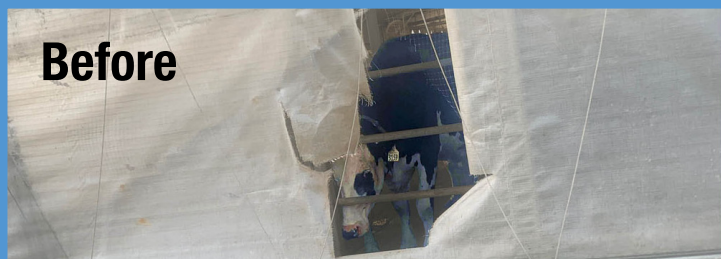
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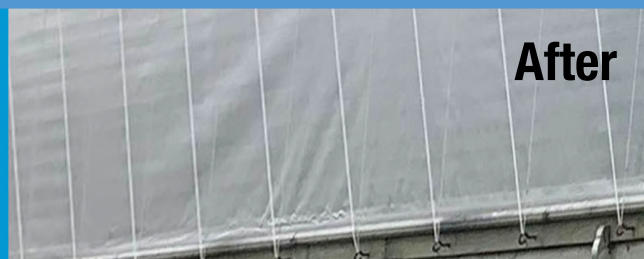
See how easy it is to tip [HERE](#)

Another quality repair by the Faromor Service team

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Before

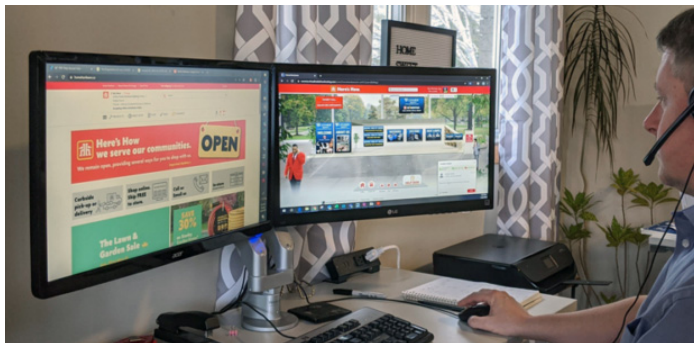


After

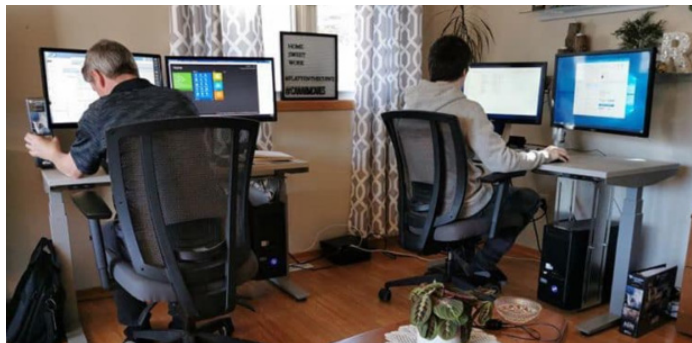
Holy Cow! There's a Cow in my Curtain!

If Bessie decides she just HAS to see outside and makes her very own viewing window, don't worry, our dedicated Service Team will be there to help you fix everything up so it's just like new again!

#StayingSafe, #WorkingFromHome, #WeAreInThisTogether



Our first Home Hardware Virtual tradeshow! Territory Manager Chris "mans the booth" from his home office.



#HomeSweetWork! Doing what we can to stay safe, Territory Manager Chris and his son, Drafter/Designer Cam work diligently from home.

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