

Making winter ventilation work for you and your cows



By Rick McBay
Natural Ventilation Specialist

As I'm writing this on a bright, sunny day in October with the temperature outside a pleasant 18°C, it pains me to realize the cold weather season is once again right around the corner.

This drop in temperature during the winter months brings with it one of the greatest challenges of operating a naturally ventilated freestall dairy barn – maintaining a proper environment. In cold weather, it is imperative to have sufficient ventilation to remove humidity, ammonia and contaminants, while maintaining draft-free conditions and acceptable interior operating temperatures.

In a natural ventilation design, the ridge ventilation part of the system is used to create the minimum airflow required to keep air fresh. There are a number of different styles of ridge ventilation, but they



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all serve the same purpose – to exhaust a small volume of air from the structure, thereby allowing the introduction of fresh air into the environment. This fresh air intake is created by small openings in the sidewall ventilation along with infiltration air from outside.

[READ FULL ARTICLE](#)

Innovation at Work

FAROMOR
A CANARM COMPANY



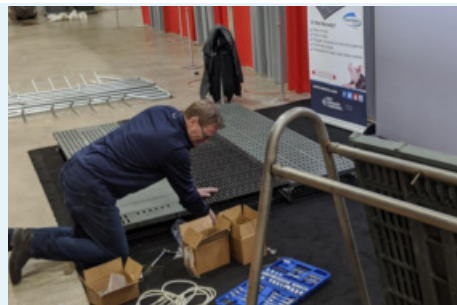
Faromor introduces the ultimate in ventilation control for dairy facilities. This unique Neutral Pressure Ventilation System supplies fresh air intake using directional positive pressure fans that bring in the exact amount of air required, depending on ventilation requirements, and directs it into the building so that no drafts are created in cold weather. At the same time, wall mounted exhaust fans remove an identical volume of air which creates a neutral static pressure within the building. In addition to the intake/exhaust fan units, the system utilizes Cyclone Fan units to provide draft free air and heat mixing in colder weather and high speed velocity cooling in hot weather conditions. The entire system is operated by one integrated control unit that adjusts the variable speed of all the fan units to provide optimum temperature and humidity control year round. This controller also provides the producer with the current status of the system and conditions in the facility, including temperatures at the sensor points, humidity levels, and the current static pressure level, all at a single glance at the user friendly display.



We Work Hard and Have Fun Doing it!

Left, Faromor Installer Mike gives a big thumbs up as he completes a successful install of ClearVu Panels at a riding arena.

Right, Paul may be our Director of Ag Sales, but he doesn't mind pitching in wherever he's needed! Here he's hard at work (with a smile on his face) setting up the booth at this year's Iowa Pork Congress.



New Products



54" PANEL FANS



Ideal for dairy cooling, these 54" fans have a new rugged design with wire guard. They feature a durable and ultra-quiet plastic blade with 28,000 CFM 1hp or 34,000 CFM 1.5hp high output option. Optional 6 paddle stainless steel blade available.

72" CYCLONE PLUS

This versatile variable speed fiberglass recirculation fan can slowly push hot air from the ceiling down to the floor and as the speed increases; it creates air velocity for maximum air throw and cooling.



POULTRY CIRCULATING FAN



Ideal for poultry barns, these 24" PCF-EC fans are the most energy efficient fans on the market for low and high speed air movement. Designed to promote uniform temperature throughout your poultry barn, enjoy power savings up to 75%!

72" MAX AIR PLUS

The MAX-AIR® PLUS is a superior output and high efficiency fiberglass exhaust fan, ideal for tunnel and exhaust ventilation in dairy, poultry, swine, greenhouse and industrial applications.

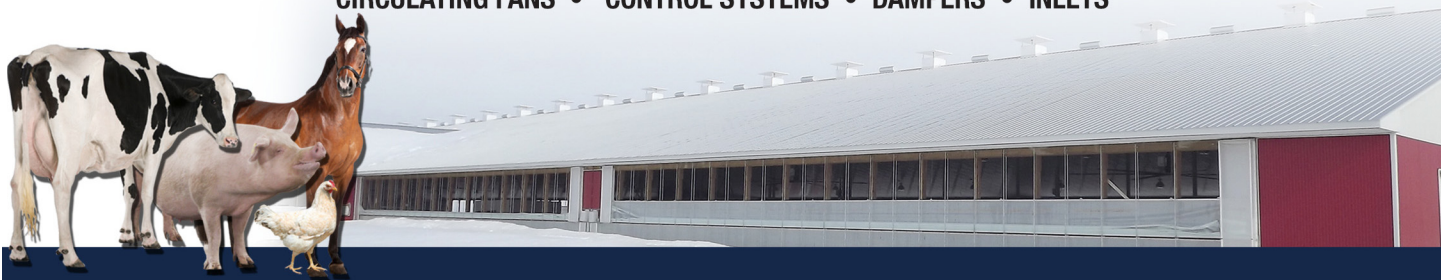


COMPLETE VENTILATION PACKAGES

From design to completion, we can do it all!



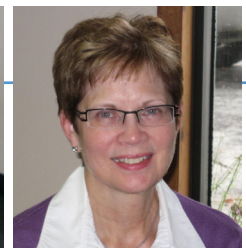
FRP CHIMNEYS • CURTAIN SYSTEMS • PANEL SYSTEMS • DUAL VENTILATION • EXHAUST FANS
CIRCULATING FANS • CONTROL SYSTEMS • DAMPERS • INLETS



Organizational Announcement

Happy Retirement! Garry Becker & Shirley McEwen

We would like to wish a very happy and well deserved retirement to two valued Canarm AgSystems employees. **Enjoy your retirement Garry & Shirley!!!**



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Ventilation Options for your Pig Barns



By Rick McBay
Natural Ventilation Specialist

Producers should weigh the benefits of ventilation systems to determine the best option for their barns.

Over the last 25 years, natural ventilation systems have become commonplace in large group finishing hog facilities.

Insulated sidewall curtains or solid insulated sliding panels, combined with insulated ridge-mounted chimneys, were the hallmarks of a quality low-cost natural ventilation system. In an all-in-all-out system during cold weather conditions, an additional heat source is commonly required in barns full of 55-pound (25-kilogram) pigs.

In a flow-through system, the heat generated by the mixture of heavier weight hogs renders this additional source unnecessary. The extra advantage of this type of system is that it does not require



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mechanical ventilation for the under-floor manure pit in total slat barn designs. The natural ventilation typically maintains a neutral static pressure within the room. As a result, the manure gas remains below floor level since it is heavier than air.

In the late 1990s and early 2000s, companies introduced the concept of a dual or hybrid ventilation system to the industry.

[READ FULL ARTICLE](#)

Recent installations



Another successful install! 264 linear feet of 6' Clear-Vu Panels were just installed on a Horse riding arena in Erin, Ontario. Job "supervisor"/satisfied customer looks on.



More Innovation at work! Our VIP Panel System designed to be used for outside access doors in organic poultry operations.

Upcoming Tradeshows & Events

World Ag Expo - Booth 6303-04

February 11-13 - Tulare, California

New York Farm Show - Booth #CP106

February 27-29 - Syracuse, NY

Southwestern Ontario Dairy Symposium

February 20 - Woodstock, Ontario

Western Poultry Industry Conference

February 24

BC Poultry Industry Conference

March 4 - 6

Ottawa Valley Farm Show - Booth #2005

March 17-19 - Ottawa, Ontario

AQINAC Dairy

March 25 - Quebec

WPS Farm Show - Booth #B4579

March 31 - April 2 - Oshkosh, Wisconsin

Central Plains Dairy Expo - Arena #458

March 24-26 - Sioux Falls, S.D.

London Swine Conference

March 26-27 - London, Ontario

Canadian Dairy Expo - 49E

April 1 - 2 - Stratford, Ontario

National Poultry Show - 703S

April 3 - 4 - London, Ontario

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