

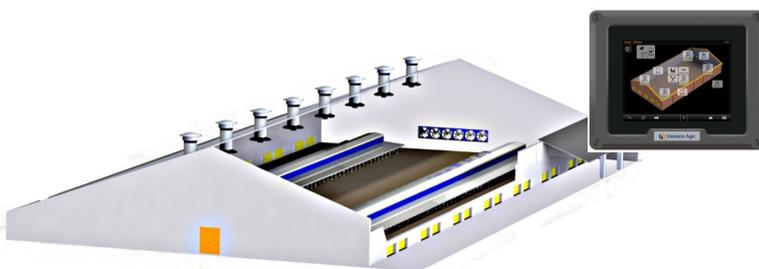
Fortica® FreeFlow® Ventilation



Fortica®FreeFlow® is an optimal ventilation system for free range houses with pop hole doors. It's the solution for three relevant problems experienced by poultry farmers:

- condensation on the litter at pop hole doors,
- a strong air stream at the pop hole doors when they are opened,
- optimal fresh air distribution in the poultry house.

Fortica®FreeFlow® runs on a **positive pressure ventilation** method when the pop hole doors are open. If local environmental requirements don't allow multiple exhaust points, it also can run on an **equal pressure** method.



Equal pressure ventilation

This solution is based upon equal pressure inside the barn. By controlling the air inlet and exhaust chimneys simultaneously the Fortica® provides an equal pressure environment inside the barn, whether the pop hole doors are open or closed. Fresh air is blown in through the inlet chimneys and warm air is blown out through the exhaust chimneys. In this case no end-wall fans are needed.



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Hotraco Agri is a globally operating supplier of innovative computerized systems for use in the pig and poultry sectors specialised in creating and maintaining an optimum indoor climate. Hotraco Agri's main focus is on the development and manufacture of customized computers that regulate, control and monitor the overall animal house system. From climate control and air conditioning, feed and water control, animal weighing, egg counting to fire safety. Over 100 employees serve customers on all continents with innovative and technically advanced systems. The fact that Hotraco Agri has its own R&D department means that it is ALWAYS able to deliver customized products and develop problem-specific solutions.

Helpdesk 24/7

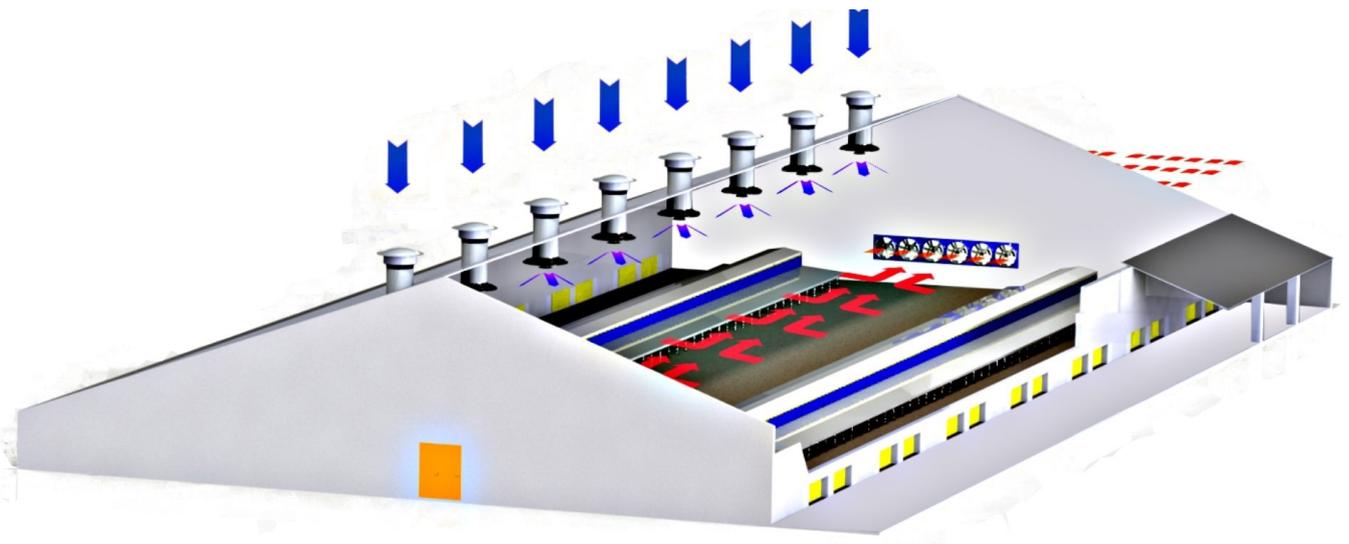
The Hotraco help desk and service centre is available 24/7. Our team has the possibility to monitor and control the systems of our clients, wherever in the world, via state-of-the-art ICT technology.

Negative/Positive pressure ventilation

When the pop hole doors are closed, the ventilation system runs on negative pressure method, produced by chimney fans or wall fans. Because of the negative pressure in the house, fresh air will enter through the air inlet chimneys and will be equally distributed through the house. When the pop hole doors are opened, the Fortica® automatically switches off the exhaust fans and activates the fans inside the air inlet chimneys. The system is now turned into positive pressure which results in the same air distribution as before, but now the warm air flows out through the pop hole doors. No condensation on the litter because there is no collision with fresh, cold air. When the pop hole doors are closed again, Fortica®FreeFlow® automatically switches back to negative pressure ventilation.

Fortica® FreeFlow® with pop hole doors closed

Negative pressure



Fortica® FreeFlow® with pop hole doors open

Positive pressure

