

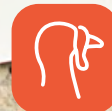


Proudly made and  
designed in Canada



# The future of agricultural ventilation begins **now.**

Reduce your heating costs by up to 70%  
with the ESA-3000 Heat Exchanger.



# The new way of ventilation

## A FIRST STEP TOWARDS SUSTAINABLE AGRICULTURE

Technology has evolved and there is now a heat exchanger adapted to the needs of farmers. There are no longer compromises to be made between heating and air quality, thanks to the new technologies that we have added to the ESA-3000.

### 1 AUTOMATIC CLEANING SYSTEM

Thanks to this system, the exchange cores are cleaned automatically. So, you don't need to clean them every flock!

### 2 HIGH EFFICIENCY PIVOTING FANS

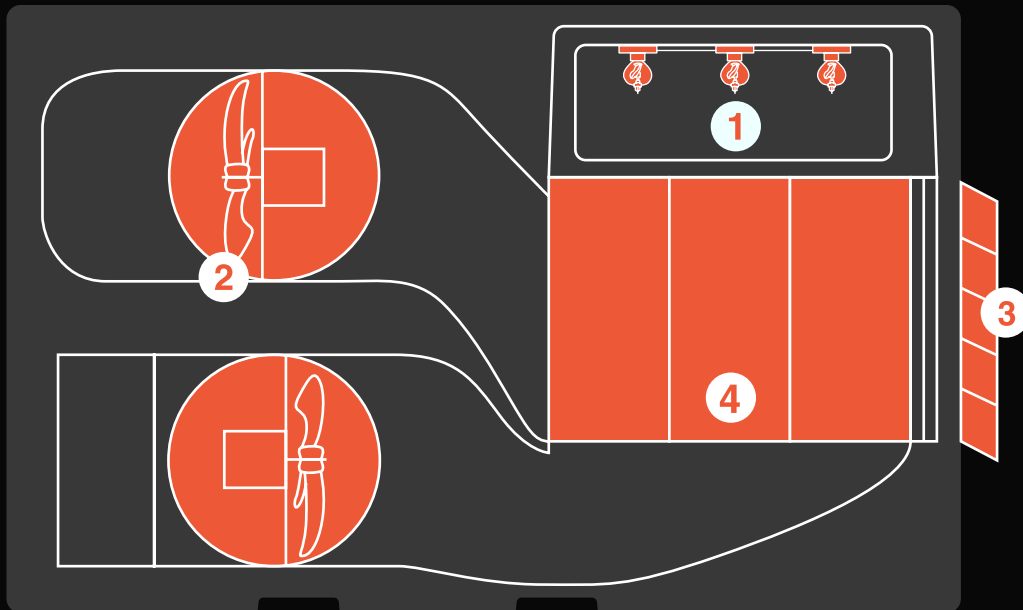
Allows you to change the ventilation modes to heat recovery mode or direct ventilation mode according to the needs of your livestock!

### 3 SMART DEFROST SYSTEM

Prevents the formation of ice in the exchanger continuously throughout the winter.

### 4 THREE HEAT EXCHANGE CORES

Preheat the air before it enters the building reducing heating costs by up to 70%



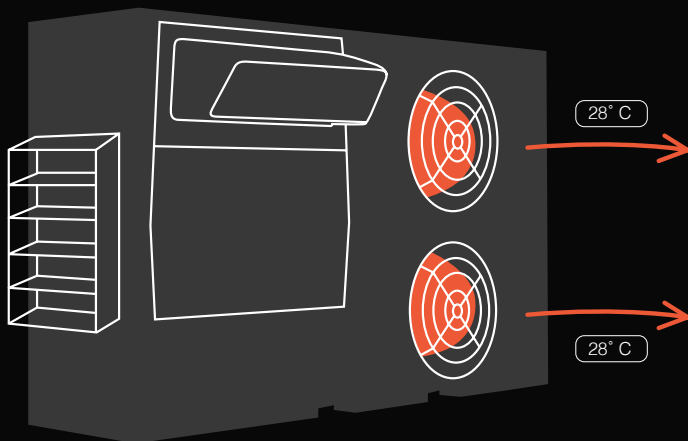
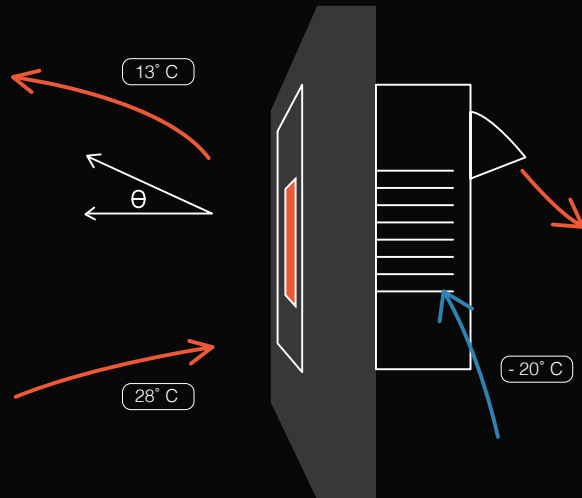
# How does it work?

IT IS PLUG & PLAY AND EASY TO USE

Installed flush in the wall, the **ESA-3000** has **two ventilation modes** to adapt to the animal's needs.

## HEAT RECOVERY MODE (3000 CFM)

The air passes through the exchange cores and is preheated before entering the building, allowing a significant reduction in heating costs.



## BYPASS MODE (10 000 CFM)

Air is exhausted directly outside to allow for quick and efficient air exchange.

In heat recovery mode, the air entering the building is directed at the desired angle to protect animals from cold drafts.

You can remotely control your exchangers and change ventilation options from anywhere.

# Ready to use

## A TURNKEY SOLUTION

The ESA-3000 exchangers are a turnkey solution for your livestock buildings. The installation can be easily carried out from the inside or outside of the building.

The underside of the exchangers has been designed to be able to transport the exchangers with a conventional forklift. It is quick to install and all you need to do is plug in the power and the communication cable so that the exchanger is ready to operate.

The ESA-3000 is designed to be installed on both existing and new buildings. It is easy to install and can be adapted to any type of building. Our team of experts will offer you a variety of technical solutions to adapt our exchangers to your buildings.



**FRANÇOIS GAUDETTE, Quebec**

« Bravo for the design of these devices  
as they are easy to use. »

# Designed for the cold

## RESISTANT TO EXTREME TEMPERATURES

We have designed our exchangers so that they work in all conditions. We have notably implemented a smart defrosting system which prevents the formation of ice in the exchanger. The defrosting system also includes different modes such as the extreme defrosting mode to enable the ESA-3000 to withstand the coldest temperatures.

The ESA-3000 is perfect for the cold, thanks to its heat recovery technology. This technology allows the air entering the building to be preheated using the exhaust air channel. This significantly reduces heating costs in livestock buildings by up to 70%.

Winter protectors prevent snow from interfering with the air exchanger.



**JUSTIN LALONDE, Ontario**

*« Even in the coldest weather, we got through without any scratch. I was able to maintain a lower-than-average CO2 level even at -30°C while reducing my heating costs. »*





# Made for the agricultural industry

OUR PRIORITY, THE WELL BEING OF YOUR ANIMALS!

Livestock buildings have particular conditions which are difficult for the equipment. Our ESA-3000 exchangers have been designed to perform in this type of environment. They are made with durable materials and are designed to resist corrosion.

One of the advantages of the ESA-3000 is its footprint. It is recessed flush in the wall to not affect the brooding area and to allow you to change the litter or carry out tasks inside the building without any problems.

In addition, the needs of animals vary enormously, which is why our exchangers have different ventilation modes to allow ventilation to be adapted to the needs of the animals or the season.

Animals are very sensitive to temperature variations. That's why our adjustable air distribution system sends air at the desired angle to protect animals from cold drafts.

# The advantages

SAVINGS - YIELDS - ANIMAL HEALTH

The ESA-3000 offers many benefits for producers, from savings to improved building performance to overall animal health. In fact, the heat recovery technology of the ESA-3000 allows a reduction in heating costs of up to 70%.

Heating with gas or propane increases humidity and CO2 in the air. By reducing heating, air quality increases significantly.

## Reduction in heating costs



Tim Cox, Nova Scotia

« Thanks to my ESA-3000 air exchangers on my first four flocks, I reduced my propane consumption by 61%! »

## Lower humidity and better air quality



Danick Gauvin, Quebec

« I had exchangers downstairs, but not upstairs and there was a 20% difference in humidity. »

## Improved litter quality



Nicole Stewardson, Ontario

« This is the best my bedding has ever looked in a long time. »

## Animals in better health



Randy Martin, Ontario

« My birds are growing very healthy, and the mortality rate has dropped by at least 3%. »

## Paying all the way



Colin Breukelman, British Columbia

« The ESA-3000 exceeded my expectations in every aspect. Not only has it improved the condition and performance of my animals, but it has also had a direct positive impact on my bottom line. The investment in ESA-3000 heat exchangers has undoubtedly been one of the best decisions I've made for my poultry production. »

# Contact us and join our satisfied customers!



esaseries.com  
info@esaseries.com  
1 855 573-2877

Energy Solutions Air  
4350 Robitaille Street, Door B  
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-  
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www.county-line.ca



**LBJ Farm Equipment Inc.**  
2 Tantramar Ct,  
Amherst, NS B4H 4H8  
Tel: (902) 667-5550  
-  
43 Minas Warehouse Rd,  
New Minas, NS, B4N 5A5  
Tel: (902) 678-2430  
www.lbjfarm.com