

# LEAD EXP'AIR

## NEW CONCEPT OF VENTILATION



VENTILATION + HEATING FOR LIVESTOCK BUILDINGS

- ▶ UNIFORM AIR QUALITY
- ▶ REDUCES EMISSIONS (CO<sub>2</sub>, NH<sub>3</sub>)
- ▶ BETTER HYGROMETRY MANAGEMENT
- ▶ ENERGY SAVING
- ▶ MODULAR CONSTRUCTION



**Le Roy** 

[www.le-roy.fr](http://www.le-roy.fr)

**Le Roy** 

DESIGNER AND MANUFACTURER OF LIVESTOCK EQUIPMENT

# LEAD EXP'AIR



## Modular unit to heat and ventilate poultry houses

- ▶ Combined heating and heat recovery (up to 3500m³/h) and ventilation (up to 6000m³/h)
- ▶ Precise ventilation according to body weight and air replacement, no air speed
- ▶ Controlled by the house computer



## Improved atmosphere and uniform air quality

- ▶ Uniform distribution of air (heat and heat exchanger)
- ▶ Temperature uniformity throughout the building
- ▶ Improved birds sleeping area
- ▶ Better litter condition



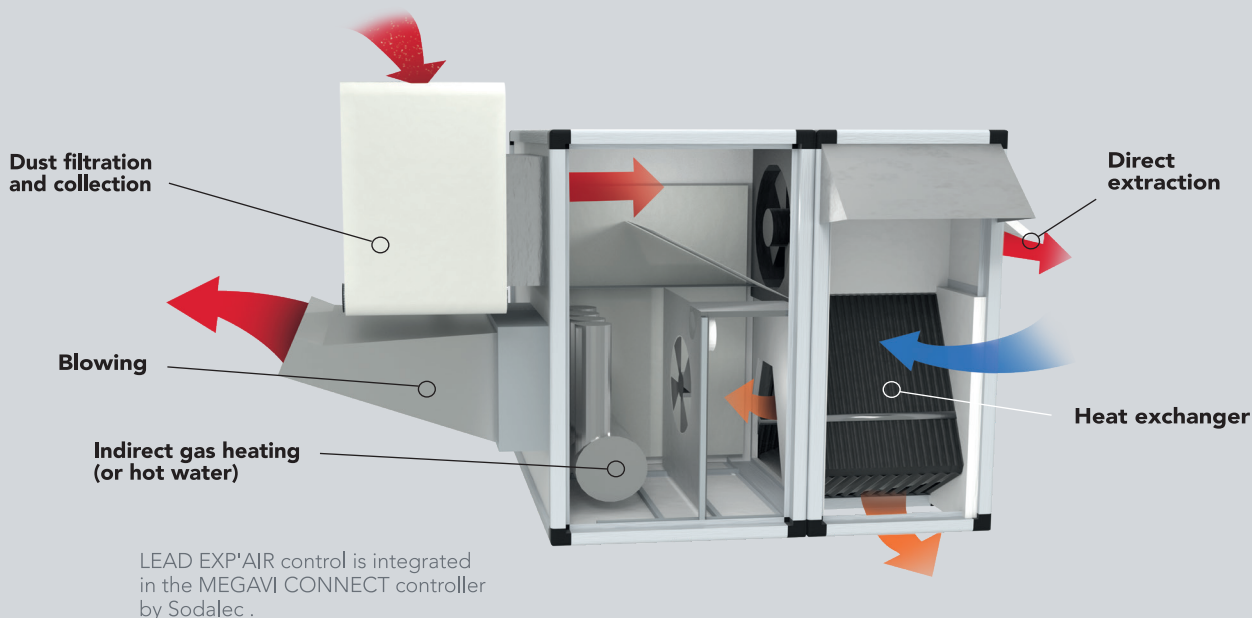
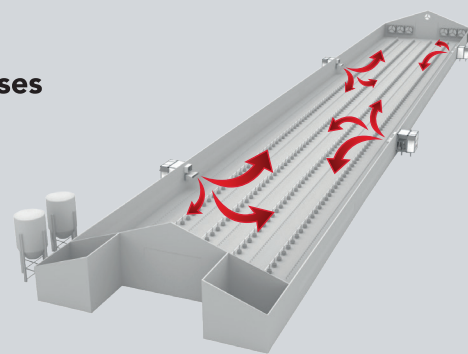
## Reduction in emissions

- ▶ Less ammonia, less CO2, less dust, less odour
- ▶ Controlled humidity



## Energy management

- ▶ Control of gas consumption
- ▶ Low energy fan



## Filter LEAD CLEAN'AIR

- ▶ Filtration to reduce dust in exhausted air
- ▶ Keeps heat exchanger block clean
- ▶ Can be operated totally independent controlled or complementary on fans or stratifiers

## Technical features LEAD EXP'AIR

- ▶ **Modular unit, many options available:**
  - Heat exchange module only - Heating module only
  - Heat exchange + heating modules
  - With or without the filtration module LEAD CLEAN'AIR
- ▶ **Progressive fans EC : incoming air up to 3500m³/h, exhaust up to 6000m³/h**
- ▶ **Gas heater indirect combustion 39kw/h, or hot water radiator**
- ▶ **Insulated casing**
- ▶ **Removable heat exchange block**

## Good sense applied to ventilation

Designers of the MULTIBECK feeder, **LE ROY** is gearing towards the poultry house of the future. With **LEAD'AIR**, **LEAD EXP'AIR** and **LEAD CLEAN'AIR** offering a wide choice of poultry house environment. Designed and constructed in France.

[www.le-roy.fr](http://www.le-roy.fr)

Z.A. La Richardière - 35530 Noyal-sur-Vilaine - FRANCE  
Tél. +33 (0)2 99 50 73 98 - [info@le-roy.fr](mailto:info@le-roy.fr)

**Le Roy**   
**LLC**   
LEAD LE ROY CONCEPT  
DESIGNER AND MANUFACTURER OF LIVESTOCK EQUIPMENT