



# Pilot System

Ensuring the best incubation temperature for embryo development

Controlling the incubation temperature, all the time, every time

The temperature inside the egg is essential for the development of the embryo. If the temperature inside the incubator could be adjusted based on the actual egg temperature, this would greatly enhance both hatchability and chick quality. And that's precisely what Jamesway's Pilot System does.

Creating the best environment for each egg pack

Jamesway's Pilot System is a sensor system that accurately and consistently monitors the temperature of eggs in an incubator. It ensures that the temperature settings inside the incubator are adequately adjusted to provide the proper amount of heating and cooling for ideal embryo development.

## Advantages

### High hatch rate

The Pilot System ensures the best possible incubation temperature for the developing eggs, all the time.

### Effortless

The incubator's heating and cooling is automatically adjusted based on eggshell temperatures.

### Always in control

The user-friendly control panel keeps you up-to-date on the actual egg temperature inside your incubator.



# How does it work?

## Implementation

Pilot Systems are locked in position in the egg pack at three levels and are connected to the incubator controller.

## Measurement

The four sensors of each Pilot System measure and report the temperature of the adjacent eggs. The sensors are designed and tuned in such a way that measurements referring to infertile or early dead eggs are excluded.

## Calculation

The system automatically averages the readings per Pilot System and across Pilot Systems.

## Temperature adjustment

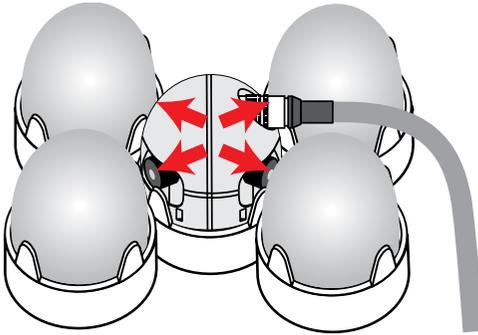
Every 15 minutes, the incubator control system uses the eggshell temperature averages to automatically adjust the temperature inside the incubator.

## Data transfer and regulation

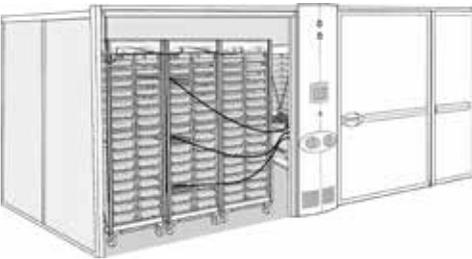
The temperature readings are transmitted to software, which adjusts the fan speed to ensure optimal temperature inside the incubator.

## Display

The average egg temperature is displayed on the incubator's control panel.



The Pilot System locks in position in the egg pack and registers the temperatures of its neighboring eggs.



Eggshell temperature readings from three levels of the incubator rack are transmitted to the incubator's controller.



The incubator's display visualizes the Pilot System's readings.