



# Pas Reform Air supply plenum

For optimising the air supplied to setters  
and hatchers



**Royal Pas Reform**  
Integrated Hatchery Solutions



# Air supply plenum

## Benefits

The pressurized air supply plenum above the corridor of the setter or hatcher room provides a controlled environment for the pre-conditioning and distribution of air, to deliver increased temperature uniformity and a reduced need for humidification in the setters and hatchers. From a central air handling unit the pre-conditioned air in terms of temperature and humidity is kept under correct pressure in the air supply plenum. From the air supply plenum the setters and hatchers get supplied by the right amount of the right quality air. The air supply plenum is not affected by pressure changes in the corridor running underneath the air supply plenum - while at the same time reducing energy consumption and improving the hatchery's ecological footprint. The air supply plenum also improves hygiene when the setters and hatchers are being cleaned, as this air is not mixed with incoming air to other machines.

## How it works

- A precise volume of outside air is taken in and pre-conditioned using dedicated air handling units
- the air is conditioned for optimal temperature, humidity and static pressure.
- Each setter or hatcher is supplied individually and directly from a dedicated tunnel, which prevents the risk of cross-contamination from incoming air
- A central control and communication system for the setter and hatcher rooms monitors and fine-tunes air quality constantly, to optimise the overall operating efficiency of the system
- Temperature uniformity during incubation is optimised, while any risk of cross-contamination is prevented

Air supply plenums provide a controlled environment for optimising air quality to setters and hatchers

## Related products

- ▶ SmartSetPro™
- ▶ SmartHatchPro™
- ▶ SmartCenterPro™
- ▶ SmartControl™
- ▶ Air Handling Unit
- ▶ Room cooler/heater
- ▶ Hatchery climate controllers

## Technical Specifications

Length	> Entire length of the setter or hatcher corridor
Width	> 2.000 mm
Height	> 1.500 mm - 2.000 mm
Including	> pressure sensor, temperature sensor, humidity sensor



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