



Pas Reform SmartSetPro™ 6 corridor

Modular setter for hen eggs

For the most advanced developments in modular,
single-stage incubation



Pas Reform
Hatchery Technologies

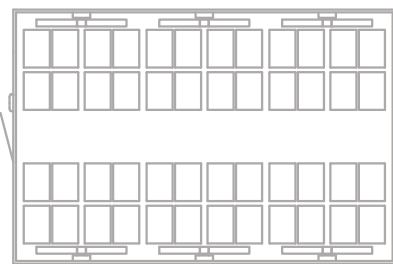


SmartSetPro™ 6 corridor

Vortex™-based airflow for complete temperature homogeneity

Benefits

The modern hatchery manager's goal is to produce large numbers of uniform, robust day-old chicks. SmartPro™ is the only system that meets this requirement, by uniquely combining four key features: modular incubator design, a new Vortex™-based airflow principle, AMF™ Adaptive Metabolic Feedback and the ESM™ Energy Saving Module. With the lowest number of eggs per temperature regulated system in each section, SmartSetPro™ incubators allow for maximum uniformity and optimal climate conditions for each batch of eggs. The mechanical turning mechanism ensures a foolproof and reliable setter tray tuning system, without the need for pressurised air supply. Tray turning itself is inline with the airflow, which enables optimal ventilation conditions for each, individual setter tray.



How it works

- Modular incubator design enables the precise control of temperature, humidity, O₂ and CO₂ in large incubators
- Separate temperature sensors allow each section of up to 22,032 eggs to be heated and cooled individually for a fully homogeneous environment
- Due to its specially designed shape, Vortex™ acts as an air pump, actively bringing fresh air into the setter, recirculating air very effectively to create uniform incubation conditions and promote homogeneous temperature
- AMF™ Adaptive Metabolic Feedback (optional) ensures that the incubation environment meets the metabolic needs of the growing embryo, controlling ventilation such that both relative humidity and carbon dioxide do not exceed set points. Ventilation and humidification is kept to the minimum, to allow for uniform temperature distribution
- ESM™ Energy Saving Module™ (optional) makes the RPM of the Vortex air pump fully programmable, reducing motor energy consumption significantly in specific phases of embryonic development where it is not needed

Related products

- ▶ SmartTray™ 150
- ▶ SmartTray™ 162
- ▶ Setter trolley 16
- ▶ Setter trolley 17
- ▶ AMF™ Adaptive Metabolic Feedback
- ▶ ESM™ Energy Saving Module
- ▶ SmartTouch™ User Interface
- ▶ SmartGo™ Performance Testing
- ▶ SmartHatchPro™
- ▶ SmartCenterPro™

Technical Specifications

Type	Setter trolley 16	Setter trolley 17
Number of setter trays	> 768	> 816
Capacity hen eggs (150 egg tray)	> 115,200	> 122,400
Capacity hen eggs (162 egg tray)	> 124,416	> 132,192
Number of incubation sections	> 6	
Number of temperature sensors	> 6	
Height/width/depth (mm)	> 2459 (+300 for motor) / 4784 / 7276 (+72 for central operating console)	
Number of setter trolleys	> 24	
Heating	> Integrated heating or electrical heating	
Cooling	> Water cooling system with 34 vertical, parallel coils in each incubation section	
Ventilation	> Vortex™ air pump system in each incubation section	
Set points per section	> Separate temperature setpoints for each 4 trolley-section of up to 22,032 eggs	
Incubator control	> SmartTouch™ user interface	

For more information, see SmartPro™ brochure.



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