



SmartHatch™ hatcher for duck eggs



SmartHatch™ is a fully-automated hatching system that delivers accurately regulated temperature, humidity and ventilation: an exemplary hatcher for high day old chick uniformity with no need for human intervention.

Features include:

Optimised cooling system

Thanks to a detailed understanding of the impact of metabolic heat production on the growing embryo, Pas Reform has calculated the cooling capacities for SmartHatch™ not only for today's breeds, but also for projected breed requirements in twenty years from now. SmartHatch™ incorporates 12 parallel cooling circuits that surround the incubating eggs (SurroundCooling™), to deliver an added 20 per cent cooling capacity. The circuits are fully integrated into the aluminium cabinet panels to massively increase the cooling surface area for even temperature distribution.





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Automated Hatching System (AHS™)

Fully automated processes deliver greater accuracy, and SmartHatch™ monitors and adjusts the hatching process automatically from the day of transfer through to the last chicks hatching, eliminating any need for human intervention. Field trials have proven that the systematic measurement and control of temperature, humidity and CO₂ production, combined with the use of current and historical data to adjust the hatcher environment automatically consistently produce high levels of uniformity per batch.



Robust, easy-to-clean construction

Hygiene

SmartHatch™ is constructed of high quality, smooth-walled 'food-safe' anodised aluminium, stainless steel and polystyrene. Its robust cabinets are resistant to strong disinfectants and corrosion and extremely durable. The absence of closed air ducts improves hygiene and sanitation, while the incorporation of the cooling circuits into the walls greatly reduces cleaning time.



SurroundCooling™



Technical Specifications

Type	SmartHatch™
Capacity (duck eggs)	13,104
Automated, CO ₂ -controlled hatching system	Yes (optional)
Heating	Electrical heating
Cooling	SurroundCooling™: 12 parallel water cooling circuits, incorporated in aluminium walls of cabinet
Humidification	Humidity roller or spray nozzle
Dimension (mm) Height (+ height motor)/width/depth	2,459 (+ 300)/3,235/2,213
Number of hatcher trolleys	5
Number of hatcher baskets	128

In our commitment to quality improvement through continuous research, we reserve the right to alter the specifications of our products without notice.

