



Climate System



Global Presence - Local Commitment



Feeding



Drinking



Climate



Housing

Plasson Climate System

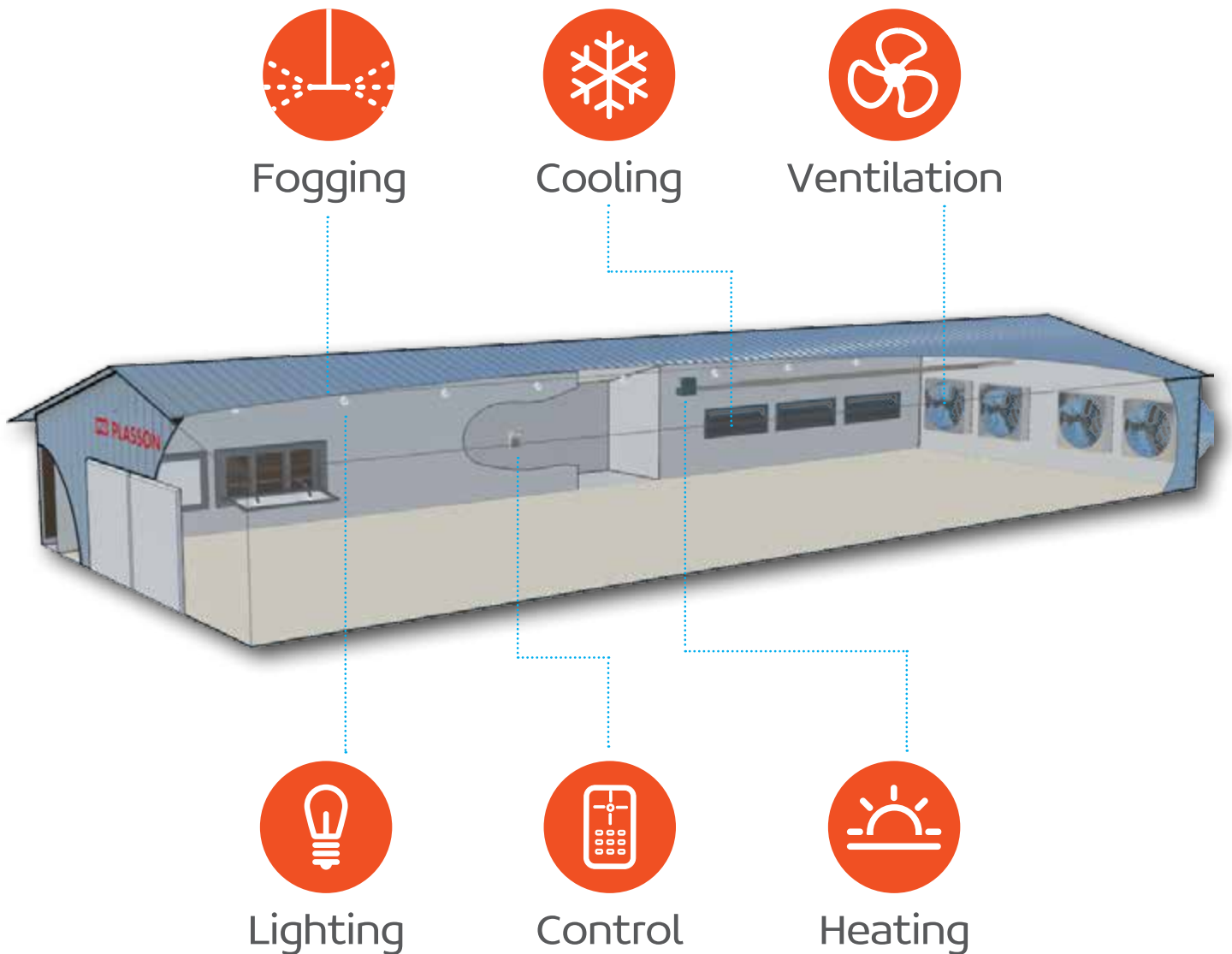
Plasson is proud to present the highlights of Plasson's Climate Equipment Package. Each of the products that we offer has been carefully chosen, inspected and tested before being added to Plasson's offering.

Plasson's Climate Equipment Package includes a variety of products to suit different growing regimes and various climates. Choosing the equipment is only the first stage in designing a successful package of equipment.

Plasson's highly professional teams around the globe will be capable of designing and grouping Climate Equipment that will be both cost effective in the investment and also highly productive in operation.

Choosing Plasson's Climate Equipment will lead you to reach excellent professional and economic results in terms of FCR, mortality, and yield, which will be equal or above the results achieved by others.

We are sure that the 50 years of experience we have in working with the poultry industry and our well known policy to continue our contact with our customers by means of after sales services will make the difference for you.





Ventilation

Exhaust Fans

Proven performance in the field guarantees ventilation system reliability

- Available in stainless steel, galvanized and fiberglass
- Assurance of optimum performance and low power consumption
- Automatic tensioning on belt fans

Panel Fans

- Available in 1 HP and 1.5 HP versions
- Can retrofit 50" fans
- Butterfly shutters
- High Efficiency and High Volume versions available
- Excellent results on BESS labs tests.
- Super high Air Flow Ratio
- 52"-54"

Box fans

- Available in 1 HP and 1.5 HP versions
- Quality fans, with or without cone
- Frontal shutters
- Also available in stainless steel
- Available in belt and direct drive version
- Available in 50", 36" and 24" sizes

Circulation Fans

- With safety guards
- Various suspension solutions



Inlets

Wall Inlet

- Aerodynamic wing improving airflow and throw on minimum ventilation
- Air quality and temperature uniformity is ensured throughout the flock regardless of the external climate
- Driven by a gear motor or linear actuator
- Available in few lengths for supplying from 1500 up to 5000 m³/h
- Wide range of opening system configurations



Ceiling Inlet

- Utilization of heated attic air
- Especially for wide houses
- Ceiling inlet available in two models: simple and double



Cooling Pad

Provide maximum comfort for your birds by using the Plasson evaporative cooling system

- Adjustable flow control to maximize cooling and minimize water spillage
- Frames constructed from stainless steel or aluminum or PVC
- Plasson robust design ensures that the system is highly durable and requires minimum maintenance

Cellulose Cooling Pad

- The pad's design, along with the quality of paper ensures better water absorption and promotes excellent cooling with less air-restriction at the house entrance
- 150x600x1800mm cellulose board with external protection
- Algae protection system



Fogging

Low Pressure Fogger System - 70Psi

- Highly resistant plastic fogger nozzles
- Anti-drip system
- Average drop size at 70Psi - 65 microns
- Filtering system for preventing clogging
- Available in two models: 5.0l/h and 7.5l/h

High Pressure Fogger System - 500Psi

- Average drop size at
- Stainless steel nozzle
- Anti corrosive fittings
- Piston motor pump
- Fine anti clogging filter



Heating

Radiant Tubes

- Optimum radiant efficiency
- Allows great fuel savings by heating only the relevant surfaces
- One- and two-stage heaters available
- Specially developed for livestock barns
- Available in 9-12m and 100,000-150,000 BTU
- Including complete suspension installation and air inlet sets



Space Heaters

- All energy from gas burning stays in the barns
- Available with indoor or outdoor mounting kit
- Various safety features preventing gas leaks and excessive pressure
- Robust and reliable consumption

Brooders

- Anti corrosive materials
- Controlled by electronic ignition or pilot flame
- Available from 5 to 12 KW/h
- Control panel with thermostat or solenoid valve





Lighting System

Dimmer for Controlling Light Intensity

- Fully digital system
- Two independently-controlled 1000W channels (110V-230V)
- Automatic voltage detection and switching
- Easy installation and operation
- Operation modes: manual, automatic (lighting programme) and slave to house controller
- Ensures smooth and stable light intensity even at the minimum values
- Built-in protections: surge, short-circuit, overload, overheat, ...
- IGBT technology enables better efficiency and extends bulb life



Lighting Garlands

- Injection molded robust waterproof, dust proof, explosion proof **sockets** and **connectors** for ensuring long term reliability in toughest environments
- Available in flexible sockets spacing configurations. Standard of 3m and 4m
- Integral solution of suspension to sealing or cables for easy installation



Led Bulbs

- Lamps designed specifically for livestock barns
- 100% waterproof lamps, IP 66
- Break resistant polycarbonate bulbs
- 30,000 hour - guarantee of brightness during the lamp's lifetime
- Available intensities: 6W-480 lumens, 9W-840 lumens and 16.5W-1600 lumens
- Available in different color temperatures: 2700K, 4100K, 5000K
- Broad beam angle ensures better light distribution
- UL Wet location and Energy Star approved



Controller

A full line of controllers to fit the needs of modern livestock houses.

- Easy and quick access to the menu settings
- Excellent information display screen
- Controllers with up to 40 relays
- Up to 30 levels of scheduled ventilation ensure less abrupt changes and lower energy consumption
- Minimum ventilation according to the bird's weight
- Air quality control via a CO₂ and humidity sensors
- Safety system (backup) integrated into the controller
- Option of storing programming on a memory card
- History of temperature, humidity, alarm and power failure records
- Temperature programming by curve or by desired temperature
- Capacity for up to 18 temperature sensors
- Commands for up to 20 ventilation groups
- Possibility of 8 independent cooling systems
- Controls up to 6 independent heating zones
- Automatic flushing control for nipple system
- Curtain inlet opening controlled by percentage or by static pressure
- Option of including passwords for changing setting
- Scale control for birds and feed silos, dimmer and electronic water meter
- Detailed records of alarms and events
- Communication with PC via USB cable for viewing, setting and collecting controller data
- Bird thermal sensation display





Weighing

Weighing Silo

- System based on load cells under the silo's legs
- Control of up to two independent silos with the same control unit
- Automatic registration of feed loads received at the house
- Information about the daily feed intake and feed level

Feed Batch Scales

- Increased accuracy in weighing feed
- Easy system programming and operation via the optional weigher controller
- Display of the number of weighings performed
- Maintains programming and calibration in case of power failures

Bird Scales

- Record of daily weighing figures
- Information about daily weight gain
- Automatic calculation of the birds' average weight
- Made of anti corrosive material
- Available in suspended and platform models
- Up to 500 days of data logging
- Ability to work with up to two independent scales per controller



Safety System

Controller Voltage Stabilization

- Stabilizes the network voltage (190 A, 260V) to 230V
- Protects the environment controllers against voltage fluctuations in the electrical network's grid

Surge and Noise Protector

- Protects environment controllers from electrical discharges in the network

Communication







Remote Communication and Alarms



- All your house information is available in one place - providing a faster response to your needs
- More control with less labor
- Visualization of the batch's immediate situation, equipment programming and remote collection of all aviary histories
- Remote communication via Internet
- Ability to control up to 64 houses by centralized communication
- Communication system between the houses and the central controller via wireless or joint cable
- Remote alarm trigger warning system
- Indicates that the alarm was triggered





Global Presence – Local Commitment

-  Ventilation
-  Cooling
-  Fogging
-  Heating
-  Lighting
-  Control

-  Feeding
-  Drinking
-  Climate
-  Housing

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