

Masalles



DATA SHEET INCUBATOR MOD 25-I PDS

ART.: 1200-1010

TECHNICAL COMMITMENT

Discover a new generation of **PDS** type incubators. Equipment with high proven performance, easy to use and offering an efficient use of energy. This makes this an excellent option to guarantee optimum performance.

Masalles equips in its entire **PDS** range these new electronic panels that are easy to use, intuitive and more precise than previous versions. They offer information in real time regarding temperature and humidity parameters and have the natural cooling system controlled **NCDP** (Natural Cool Down Programmable).

NEW FINISHES AND EQUIPMENTS

With improvements in almost all the sections, now all model **25-I** equipment with **PDS** finish include:

- New electronics with temperature display and humidity display.
- New automatic humidity system with more capacity and autonomy.
- New bichromate steel finish.
- New wider panoramic windows.
- New temperature and humidity sensors with removable quick connector for cleaning and disinfection.
- LED cold interior light with automatic self-disconnection.
- New special treatment with fireproof electric protection.

HIGH LEVEL OF BIOSECURITY

Our one-piece manufacturing system type **DWOP** combining the implementation of stainless steel and anodized aluminum offer a superior level in terms of biosecurity, quality and durability offering great resistance to corrosion to increase the service life at the height of our most demanding customers.

HIGH TECHNOLOGY FOR AN INTUITIVE AND SIMPLE HANDLING

All the **25-I PDS** models incorporate the new electronic panels with temperature display and programmable humidity display offering an easy and fast reading in real time.

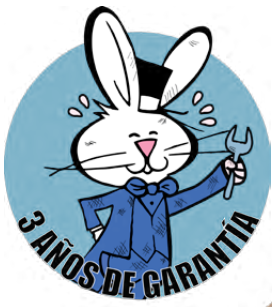
These new panels have LED indicators that report the status of the turning system and cooling system.

PROTECTION AND SECURITY SYSTEMS

Equipped with the highest technology in terms of security systems ensure a constant and efficient operation of these models allow to avoid possible accidental damage that could affect the production.

CAPACITIES

Quail	Partridge	Pheasant	Chicken	Duck/Turkey	Goose
792	504	392	288	216	112



TECHNICAL FEATURES:

GENERAL FEATURES:

Cabinet made by polyester double wall using the system **DWOP**.
 Double-walled polyester doors with panoramic aluminum window.
 Protection of the electrical system with fire retardant treatment.
4 individual positioning trays.
 Programmed high or low temperature sound alarm.
 LED interior light with timed auto-off.
 Height adjustable legs.

ELECTRONIC CONTROL SYSTEM:

Electronic **PID** control with programmable digital temperature and humidity
DISPLAY-LED.
 Decimal humidity programming range from **10% RH** to **70% RH**
 Programming range of decimal temperature scale from **20.0°C** to **45.0°C**
 (**68°F** to **113°F**)

HUMIDITY AND VENTILATION SYSTEM:

Variable speed electronic ventilation system.
 Automatic humidity system type **HS-SINF** with external tank.

COOL SYSTEM:

Natural Cool Down Programmable **NCDP**.
 Cooling automatic intervals every 12 hours.

TURN SYSTEM:

Automatic turning system with servomotor with swing at **45°**



Electrical power, measures and weight

Single phase operation	230V - 50/60Hz
Average power consumption	110W/h
Dimensions with packaging	76x64x95 cm
Weight approx	30 Kg

TECHNICAL SPECIFICATIONS



Fireproof

All the compartments where electrical components are housed have fireproof treatment that minimizes any possible propagation in the interior.



Anti-static

The use of expanded polyethylene foam inhibits the accumulation or discharge of static electricity that can damage electrical components and even ignite liquids.



Proportional Interactive Derivate.

An electronic panel equipped with PID system. It is a highly precise control system that allows adjustment parameters to be adjusted with the utmost precision through complex calculation algorithms.



Double Wall One Piece

Cabinet made of double wall of one piece manufactured by injection of expanded polyethylene foam (EPF). It offers a superior insulating level and total sealing.



Natural Cool Down Programmable

The **NCDP-COOL-** (cooling) function is based on the simulation of the incubation

period of the birds in the periods of 15-20 min rise to eat what allows the eggs to cool. Several studies have shown that this cooling period whenever controlled is beneficial especially for eggs of raptors.

Unlike other conventional cooling systems employing techniques to cool the incubation chamber "simply" by disconnecting the incubator over a period of time Masalles has developed its own intelligent cooling system by means of the thermal cooling technique.

This cooling technique is the closest to the effect that occurs during the absence of the mother in short periods of time during incubation.

This consists conducting controlled cooling of temperature within the incubation chamber.

DIRECTIVES Y HARMONIZER STANDARDS

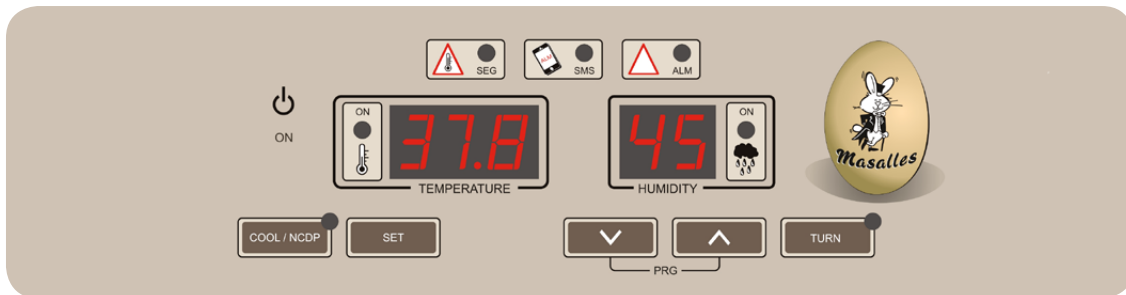
ACCOMPLISHES WITH THE DISPOSITIONS OF THE **FOLLOWING GUIDELINES:**

- Provisions of the machine 98/37/CEE
- Low tension 73/23/CEE
- Electromagnetic compatibility 89/336/CEE

ACCOMPLISHES WITH THE DISPOSITIONS OF THE FOLLOWING **HARMONIZED NORMS:**

UNE-EN 292-1:1993	UNE-EN 55014-1:2002	UNE-EN 60898:1992	UNE-EN 20324:1993	NE-EN 60335-1:2002
UNE-EN 292-2:1993	UNE-EN 842:1997	UNE-EN 60320-1:2003	UNE-EN 60204:1999	UNE-EN 614-1:1995
UNE-EN 294: 1993	UNE-EN 953:1998	UNE-EN 20324:2000	UNE-EN 50081:1994	
UNE-EN 418:1992	UNE-EN 1050:1997	UNE-EN 50082:1998	UNE-EN 61310:1996	

DISPLAY INCUBATOR 25-I PDS



This model incorporates our new electronic panel of last generation type **PDS**. This new electronic panel is easy to use, intuitive and more precise than previous versions. It offers information in real time regarding temperature, humidity and security systems parameters.

PROGRAMMING PARAMETERS



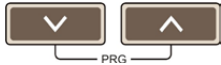
Display showing the humidity inside the incubation chamber.



Display showing the temperature in Celsius inside of the incubation chamber.

SET

It allows to know the temperature and humidity programmed on the incubator.



Push buttons to modify programmed parameters and to move between screens of the general adjustment menu.

SECURITY & ALARMA SYSTEM



Acoustic warning that acts when there is a temperature alarm.



Indicates when the incubator is working 3 tenths above or below the programmed temperature.

TURN & COOL SYSTEM

COOL

Activate **Natural Cool Down Programmable NCDP-Cool-**.

TURN

Activate turn system.



OPTIONS & **ACCESORIES**

INCUBATOR 25-I PDS

MEDICION & CALIBRATION

MASALLES MASTER THERMOMETER

Specially designed for temperature calibrations for incubation and hatchers.

BOTTLE HYGROMETER

Indicado para medir la humedad en salas de incubación.

ANALOGIC HYGROMETER

Indicated to measure humidity in hatcheries.

PSYCHROMETER GROUP

Indicated to measure temperature and humidity in incubation rooms.

DIGITAL THERMOMETER

Indicated to digitally measure the temperature in incubation rooms.



VETERINARY DISINFECTANT

Available in several formats, especially indicated for the disinfection of incubators, hatchers, brooders, transport cages and hospitalization.

DISINFECTANT WET WIPES

Ideal use for rooms where running water or instrument cleaning is not available.



DISINFECTANTS

DISINFECTANT AEROSOL PUMP SAFIBIO

For disinfection of rooms from 13 m³ to 40m³ of single use type "BOMB"

DISINFECTANT SPRAY

For disinfection of products with application directly on the surface to be disinfected.

DISINFECTANT GERMICIDE CREAM

Creams for wounds already infected, allow to control the lesions safe from viruses, bacteria and fungi.

DISINFECTANT HAND GEL

Easy to apply and do not require rinsing.

DISINFECTION CHAMBERS

DISINFECTION CHAMBERS UV & UV-G

Chamber for egg disinfection by ultraviolet UV radiation. Specially designed for the sterilization and disinfection of all kinds of eggs

Capacity approximate UV: 20 chicken eggs or similar size.

Capacity approximate UV-G: 140 chicken eggs or similar size.



OPTIONS & **ACCESORIES**

INCUBATOR 25-I PDS

SECURITY SYSTEMS



GSM MODULE ALARM

- Possibility of sending alarm messages to up to 6 mobile phones.
- Notice by phone call.
- Connection and disconnection of alarms via remote SMS.
- Remote activation and stop by call.
- Possibility of connecting up to 5 teams in series, whether they are incubators, hatchers or brooders.
- Compatible with all Falcon models.

UNINTERRUPTIBLE POWER SUPPLY SYSTEM

Line of uninterruptured power systems are specially indicated to safeguard any problem of power supply or transient voltage disturbances.
Several autonomies of 1'15, 2'30, 5'30 and 7'30 hours respectively.

INCUBATION CHAMBERS

FRIGO CHAMBER FOR STORING EGGS

· Essential in important hunting farms, substantial increases in the percentage of chicks born are achieved.

· Hermetic compressor system with evaporator placed inside the chamber with ventilation group.

TURNER CARTS FOR EGGS CONSERVATION

Two versions:

- Fully automatic model with tumbling system:
- Flip by manual cam: this version is the same as the previous one.

STACKABLE TRAYS

Stackable trays with capacity for 30 chicken eggs.
Available in different colors.



EGG CANDLES

ELECTROVOSCOPIE MK2

The digital egg electrodescope uses infrared emitters and sensors capable of amplifying 20,000 times more the cardiovascular signals of the embryo that is inside the egg.

CANDLING LED MASALLES

- Candling with high brightness LED technology.
- Emission of cold light no harmful to the embryo, long durability and low consumption.

CANDLING LAMP TYPE I

- Robust and effective ovoscope egg mirage equipped with bulb
- Traditional incandescent light (*not included*).

