

# FULL AUTOMATIC INCUBATOR



## AF-352 INCUBATOR

### OPERATING INSTRUCTIONS

## Introduction

Your choice depends on the type and measurement requirements of the project of appropriation on your requirements and future plans to expand the project.

### **ADHAM Farm hatcheries feature**

- 1 - Digital temperature control with an accuracy of 0.1 degrees Celsius.
- 2 - The Full metal body the structure is made out of aluminum (filled with thermal insulation 28 mm).
- 3 – Automatic permutation device.
- 4 – Humidity did by the dish down the incubator.
- 5 - Ventilation is manual.
- 6 - Inserting of eggs is at once or in installments.
- 7 – Tray with a capacity of (88) eggs carrying from quail eggs to chicken eggs (special dishes for 221 quail, 63 turkey eggs and ducks, 32 eggs for peacocks and geese, 16 eggs Imo Australian ostrich eggs and 9 eggs for African ostriches).
- 8 - Working conditions (hatching room): heat should be from 22 to 28 degrees Celsius, relative humidity 10 to 70 percent.

### **Warranty:**

Guaranteed for a year from date of purchase on all parts except cracks and misusing (**note: All maintenance must work inside the factory only**).

**Note:** Specifications subjects change without prior notice.



## Operating Instructions

- Be sure first that the supply voltage is 220-240 VAC 50-60HZ.
- The room temperature 24-28 °C and 60% relative humidity.
- Put the eggs in the trays.
- Spray the eggs and spray the inside of the incubator with a suitable disinfectant.
- Be sure to check the water plate and if it is full.
- Switch the power to the ON position (the Power light indicates if power is ON).
- Warm up the incubator 2-3 hours before putting eggs to stabilize the system.
- Adjust the turning switch according to the pointer either right or left.
- Put the trays horizontally using the turning switch by turning it to the left or to the right then place it in the middle of the stop position.

After the end of the incubation period (depending on the table in Appendix 2) put the eggs into the hatching baskets, according to the period mentioned in the table.

### Hatching method:

This type of incubators is working on a semi-partial system by putting one egg tray every 4 days as maximum.

It is not designed to hatch eggs at one time.

First, one must put the first egg tray with it full steering capacity as maximum then after 4 days (at least) put the second tray and then after 4 days (at least) put the third egg try.

Thus until hatching time is coming for the first tray (18 days for chicken) put the eggs from the try to the hatching basket (3 days for chicken)at the same time place the new eggs into the first try.

And soon to the second, third and fourth tray, if it is available until the hatching period, is finished place the eggs into the hatching basket (3 days for chicken) and at the same time put the new eggs into the empty tray. Keep cleaning and sterilization.

## Maintenance

In order to maintain efficient incubator must be done examining the temperature every year by a specialist (please do contact your dealer or agent in your city). Incubator must be always clean and make sure that the fan is giving the right atmosphere and that otherwise the must be changed.

That fuse (works when there is a change in voltage) it is designed to prevent damage in the incubator.




## Technical Specification

	<b>AF-352 INCUBATOR</b>
Capacity (hen eggs)	352
Trays (hen eggs)	4
Total baskets	1
Optional baskets	2
Temperature control	PID digital
Turning system	Auto
Humidity	Water plate
Ventilation	Manual
Power (Watt)	300
Voltage (Volt) Frequency (Hz)	220 - 240 volt/50 - 60 Hz
Dimensions L*W*D(cm)	96Lx63Wx60.5D
Weight	39Kg.

## Appendix (1)



### Change Temperature

#### CONTROL SETTING:

Press **SET** key, then press  (Up Arrow) to increase the temperature and (Down Arrow)  to decrease the temperature, press the shift key  to shift the digit (blinking lights) which digit you want to change.

Note: The set value is 37.5 °C.

#### TURNING SYSTEM:

1. To start the turning system on AUTO, turn the switch to  or .
2. To stop the turning system, point the switch into middle position to switch OFF.

## Appendix (2)

Braid	Incubation period	Hatching period
Chicken	18 days Temp:37.7°C RH:54%	3 days Temp :36.9°C RH:65-70%
Turkey	25 days Temp :37.7°C RH:55%	3 days Temp :36.9°C RH:65-70%
Duck	25 days Temp :37.7°C RH:56%	3 days Temp :36.9°C RH:65-75%
Goose	25 days Temp :36.7°C RH:57%	3 days Temp :36.9°C RH:65-80%
quail	15 days Temp :37.7°C RH:48%	3 days Temp :36.9°C RH:65-70%
ostrich	38 days Temp :36.4°C RH:20-35%	4 days Temp :35.5°C RH:30-50%
Pigeon	12 days Temp :37.7°C RH:54%	3 days Temp :36.9°C RH:65-70%
Rock-dove	21 days Temp :37.7°C RH:50%	3 days Temp :36.9°C RH:65-70%
peacock	25 days Temp :37.7°C RH:54%	4 days Temp :36.9°C RH:65-70%

# Thank you for choosing us!

ADHAM FARM EQUIPMENT MANUFACTURING LLC  
T +971 4 258 2125 - F +971 4 258 2124  
info@adhamfarm.com  
www.adhamfarm.com