



MADE IN ITALY

Manuale di utilizzo **IT**

User Manual **EN**

EggTech



Thank you for purchasing this River Systems® product, the result of technological innovations and constant research!

This manual provides all instructions and advices to properly use the incubator safely and efficiently. **Read carefully all parts of this manual** before using the machine in order to intervene correctly in the maintenance and to take full advantage of the specific characteristics of the incubator.

The descriptions and illustrations contained in this manual and in the flyer are not binding; photos and illustrations are only for illustrative purposes and refer to ET 24 or ET 49.

River Systems srl therefore reserves the right to make changes at any time without obligation, to update the publication, to modify components and accessories for further improvement, or for any manufacturing and/or commercial reason to improve safety and functionality.

The instructions, drawings, tables and all contents of this manual are technical in nature and reserved; for this reason no information can be communicated to third parties without written consent from its sole owner, **River Systems srl**.

In case of dispute the **Italian** text is the only valid one, and the place of jurisdiction is Padua (Italy).

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DECLARATION OF CONFORMITY “CE”

The undersigned Stefano Concina as legal representative of company River Systems® s.r.l. based in Via Marco Polo, 33 (ZI) 35011 Campodarsego, Padova (Italy), VAT code: 04289370282 declares that the incubator as per the label below



has been manufactured complying with the following standards:

DIRECTIVES: LVD 2014/35/EU, EMC 2014/30/EU, ROHS 2011/65/EU

STANDARDS: EN 60335-2-71:2003 + A1:2007, EN 60335-1:2012 + AC:2014 + A11:2014, EN 55014-1:2006 + A1:2009 + A2:2011, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55014-2:2015, EN 62233:2008

and therefore it conforms with the standards in force.

This declaration shall cease to be valid if the machine is modified without our prior approval.

Campodarsego, 23.03.2016



NOTICE

**BEFORE YOU PERFORM ANY OPERATION,
READ CAREFULLY THIS INSTRUCTION MANUAL.**

Additional information can be found in the attached flyer. Specifically, there you can find explanatory photos on the use of the incubator, exploded view drawing and spare parts. The flyer also shows examples of eggs, how to select the eggs to incubate, as well as other River Systems products.

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ELEMENTS OF THE INCUBATOR (see attached flyer)

1	Control panel
1a	Digital display
1b	LED “resistor on”
1c	Temperature setting button (⊖)
1d	Temperature setting button (⊕)
2	Electronic card
3	Inspection window
4	Incubator electric cord
5	Lid
6	Bung on hole for connection to humidification system Nebula®
7	Resistor
8	Resistor supports
9	Spacer
10	Fan impeller

11	Motor
12	Temperature probe
13	Motor support
14	Upper protection grill
15	Complete lid
16	Egg tray bar
17	Egg tray element
18	Complete egg tray
19	Floor for hatching
20	Incubator base
21	Opening for filling of water basin
22	Egg turning unit “Ovomatic” electric cord
23	Egg turning unit “Ovomatic”
24	Egg tilting handle (for semi-automatic incubator)

SPARE PARTS (see attached flyer)

2 12	Electronic card with temperature probe
6	Bung on hole for connection to humidification system Nebula®
7	Resistor
10 11 13	Motor with fan impeller and supports
15	Complete lid

16	Egg tray bar
17	Egg tray element
18	Complete egg tray
19	Floor for hatching
20	Incubator base
23	Egg turning unit “Ovomatic”
24	Egg tilting handle (for semi-automatic incubator)

1. WARNINGS – IMPORTANT PRECAUTIONS

When using household appliances it is important to follow some basic safety precautions, including the following ones:

1. Use the appliance only when the wiring characteristics conform to the ones written in the present manual and on the label affixed on the machine.
2. While working, the incubator must be on a table, in a horizontal position, stable and secure. The table must be at least 500 mm high.
3. Do not place the incubator next to heat sources.
4. Do not leave the appliance within children's reach.
5. This appliance is not to be used by people (children included) with reduced physical, sensorial or mental capabilities, or with no experience and knowledge, or not properly instructed on the use of the incubator by a person in charge of their safety.
6. To prevent electric shocks, do not immerse the cover in water or other liquids. This is applicable also to the base in the version with egg turning unit art. 556M-1.
7. Do not use or store the appliance in rooms with corrosive, flammable or explosive substances.
8. Before using the incubator and before plugging it in, check the external wiring. To disconnect the machine unplug it from the socket.
9. Do not use the incubator if the electric cord, the plug or the upper protection grill are damaged, or if the incubator has been dropped or has been damaged in any way. Take the appliance to the closest service centre requesting a checkup or reparation.
10. If the message **ErH** or **ErP1** appears on the display, unplug the incubator and take it to the closest service centre.
11. Keep the incubator safe from hits.
12. Do not open the cover of the electronic circuit or remove the fan guard (protection grill). ACCESS TO THE CLOSED OR PROTECTED PARTS OF THE INCUBATOR IS ALLOWED ONLY IN CASE OF MAINTENANCE OPERATIONS BY AUTHORISED AND SPECIALISED PERSONNEL.
13. Unplug the incubator when not in use, before opening it (lifting the cover) and before cleaning it.
14. Clean the machine only after the incubation process is finished.
15. Do not use non original accessories. Accessories not recommended or not sold by the producer can cause damage.
16. Do not use the equipment outdoors.
17. Do not leave the electric cord hanging on the edge of the table and ensure that it cannot be accidentally entangled. The cord must be protected and kept out of reach of animals.
18. User training should be recorded.
19. KEEP THIS MANUAL FOR REFERENCE.

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WARNING!

IF THE FAN IMPELLER STOPS DURING THE INCUBATION, UNPLUG IMMEDIATELY THE INCUBATOR AND CONTACT THE SERVICE CENTRE!



NOTE:

THE PRODUCER CANNOT BE HELD IN ANY WAY RESPONSIBLE FOR ANY ACCIDENT OR DAMAGE DUE TO THE IMPROPER USE OF THE APPLIANCE. THE GUARANTEE BECOMES VOID IN CASE OF IMPROPER USE.



DANGER!

OPENING THE CLOSED OR PROTECTED PARTS OF THE INCUBATOR IS ALLOWED ONLY FOR MAINTENANCE OPERATIONS BY TRAINED AND AUTHORISED PERSONNEL.



WARNING:

SINCE IT IS IMPOSSIBLE TO DESCRIBE ALL THE OPERATIONS THAT SHALL NOT OR CANNOT BE MADE, ANY OPERATION (NOT BEING ORDINARY OPERATIONS) THAT IS NOT SPECIFICALLY DESCRIBED IN THIS MANUAL IS TO BE CONSIDERED NOT POSSIBLE.



THIS SIGN INDICATES THE PRESENCE OF LIVE PARTS.

2. TECHNICAL SPECIFICATIONS AND DATA

	ET 12	ET 24	ET 49
Voltage	230 Volt 50/60 Hz single phase		
Maximum power	80 Watt AC	130 Watt AC	170 Watt AC
Average daily consumption	Max. 1,0 kW/24h	Max. 1,7 kW/24h	Max. 2,3 kW/24h
Dimensions (WxLxH)			
Semi-automatic incubator	280x360x260 mm	340x500x255 mm	520x580x250 mm
Incubator with egg turning unit	320x360x260 mm	380x500x255 mm	570x580x250 mm
Weight			
Semi-automatic incubator	2,58 kg	3,56 kg	5,53 kg
Incubator with egg turning unit	3,14 kg	4,12 kg	6,09 kg
Incubator capacity (eggs placed in the egg tray)			
Eggs of medium/large size	12	24	49
Small eggs (e.g. quail)	48	96	196
Temperature range	From 30°C to 40°C		
Protection grade of the complete incubator	IPX4		
Type of eggs to incubate	Hen, pheasant, guinea fowl, quail, partridge, grey partridge, rock partridge, turkey, palmipeds (goose, mallard, all breeds of duck, etc.), peacock, pigeon, exotic birds and birds of prey		
Body	Plastic material		
External wiring	Double insulated bipolar power cable		
Display	Digital temperature setting with decimal point		
Ventilation	Fan impeller type		
Temperature probe	Electronic precision thermostat +/-0,1°C		
Humidity in the incubator	45-55% with water in one basin 60-65% with water in both basins		
Number of egg turnings in 24h (with eggs placed in the egg tray)	Semi-automatic incubator: minimum 4 times		Incubator with egg turning unit: one inclination every two hours

3. EGG SELECTION AND STORAGE FOR INCUBATION

Eggs that have travelled can have hatching rates below 50% due to stress, vibrations, sudden temperature changes and asphyxiated embryos (where packaging fails to let the eggs breathe). Anyway, if you use eggs that have travelled, let them rest into an egg tray with their point downwards for at least 24 hours before incubating them.

Choose eggs from parent stock that are well developed, well fed and healthy.

Parent stock mustn't be blood-related (males must come from a different source), interbreeding can produce eggs with weak embryos and would lead to more vulnerable chicks with poor health.

Make sure that all birds are sexually mature, and preferably younger than 2-3 years old. It is also necessary to respect the correct ratios between males and females and to establish a suitable environment to respect the animals' well-being.

The embryo starts developing before incubation and therefore needs to be appropriately cared for. The hatching rate will decrease if the correct procedure is not followed. Here below are some rules that will help you to obtain eggs suitable for incubation:

1. Collect the eggs often. **Never store the eggs in the refrigerator.**
2. **Do not** incubate dirty eggs: contamination causes chick mortality.
Never wash the eggs. If dirty, gently brush them with a dry abrasive sponge to clean.
3. Keep the eggs in a cool room with temperature between +14°C and +18°C and humidity of about 65-75%.

It is essential to keep the eggs in the egg trays with the point downwards, covered with a dark breathable fabric.

4. Eggs are good for incubation from 2nd to 6th/7th day from laying. Incubating eggs older than 8 days considerably reduces the hatching rate, which will be close to zero in case of eggs kept for more than 15 days.
5. Eggs chosen for incubation should never be collected during the breeders' moulting: often during these days eggs could be unfertilized.
6. Eggs chosen for incubation should never be collected when the animals suffer stress from high or low temperatures.
7. Choose eggs with normal shape (they should not be oblong, spherical, corrugated or misshapen in any way).
8. The egg shell must not be cracked, thin, broken, soft, tapered or blue spotted (old eggs).
9. Allow the cold eggs (from storage temperature) to warm to room temperature gradually before putting them into the incubator. A sudden heating from +14°C to +38°C would cause moisture on the egg shell leading to decreased hatching rates.
10. Avoid incubating eggs from different species. Do not add eggs after having started incubation.

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4. PREPARATION AND START-UP OF THE INCUBATOR

Put the incubator in a room where the temperature is **between +20°C and +25°C**. It should be comfortable, clean and well aired but devoid of air draughts. Make sure that the machine is not exposed to direct sun light or placed next to heat sources such as radiators, stoves, etc. We suggest you keep it at home.

Do not use or store the incubator in a room where there are chemicals, poisonous, toxic or flammable substances, even in small concentrations, as they will negatively affect the development of embryos.

Do not use the incubator where there is the risk of contact with water or other liquids.

4A - CONTROLS

The incubator has no controls: inserting the plugs activates respectively the electric resistor and the motors.

4B - USE

Operation of the unit is simple:

- a) Place the incubator on a flat table, in a horizontal position, stable and secure. The table must be at least 500 mm high. The base of the incubator must rest directly on the table in order to prevent any obstruction of the ventilation holes.
- b) Remove the lid and place it beside the machine keeping the grill downwards.
- c) Remove the floor for hatching from the base of the incubator, as it is necessary only for hatching (last 3 days). **DO NOT LEAVE IT INSIDE THE MACHINE DURING INCUBATION! (photo A).**
NB: store the floor for hatching on a flat surface so that it will not deform **(photo B).**
- d) Make sure that the egg tray is in the correct position (on its supports) and that the cradle rows tilt freely in the two directions **(photo C and D).**
- e) Fill the basin on the left with lukewarm preferably demineralized water. Pour the water into the corresponding opening in the base of the incubator **(photo E)**. Do this slowly, taking care not to allow the water to overflow from the basin: too much liquid would increase the humidity rate lowering the hatching percentage. The second basin (on the right) will be used only for the hatching phase. You can top up the basin(s) even when the incubator is working.
- f) Replace the lid. Make sure that the edge of the lower box locates perfectly with the slot in the lid **(photo F)**.
- g) Insert the lid plug into a suitable socket. The fan impeller will start immediately, followed by the display that shows the temperature inside the incubator. The LED indicates that the resistor is working **(photo G)**. It will remain illuminated until the set temperature is reached; it will then flash intermittently.

WARNING: IF THE FAN IMPELLER DOESN'T START, UNPLUG IMMEDIATELY THE INCUBATOR AND CONTACT THE SERVICE CENTRE.

The machine is pre-set at a temperature of 37,7°C, ideal for all species of birds. It is recommended you reset the temperature following the instructions here below.

If the message **ErH** or **ErP1** appears on the display, unplug the incubator and take it to the closest service centre.

4C - TEMPERATURE SETTING AND ADJUSTMENT

To set and adjust the temperature press the **(+)** and **(-)** buttons on the control panel. Press one of the two buttons to enter the Programme Mode (the display shows a "P" beside the temperature – **photo H**). Press and release **(+)** or **(-)** to set the desired temperature. This will be memorized after a few seconds (the display will show the present internal temperature and the letter "C" – **photo I**).

Once the new temperature is set, allow the machine to stabilize and check that the temperature is reached. If you increase it, the resistor will activate (the LED will be on) heating the air until the temperature is reached. If you decrease it, the resistor will remain inactive (the led will be off) to allow the air inside the incubator to cool.

- h) Run the machine empty (without eggs) for at least 2-3 hours in order to stabilize temperature and humidity.
 i) After ensuring that the machine functions correctly, unplug it and remove the lid placing it beside the incubator. Gently place the eggs into the tray cradles **with their point downwards**. Replace the lid and reinsert the plug.

INCUBATOR WITH EGG TURNING UNIT

Start the egg turning unit by plugging it into a suitable socket. The unit will start working. The egg tray executes one tilting every two hours (**photo J**: one hour after starting the unit – **photo K**: two hours later). **Note: its movement is scarcely noticeable as it is very slow.** Ensure that this actually happens.

SEMI-AUTOMATIC INCUBATOR

Change the inclination of the eggs **at least 4 times a day** by tilting the handle placed in the front of the incubator. The handle must rest alternately at the 10 o'clock position to the left or the 2 o'clock position to the right (**photo L**). NEVER LEAVE THE HANDLE (AND THEREFORE THE EGGS) IN A VERTICAL POSITION (h. 12.00). Move the handle gently in order to avoid shocks to the eggs.

Do not cover the incubator or keep it in a box whilst in use. This would prevent the air exchange in the incubator, necessary for the embryo development, that takes place through the ventilation holes present in the base of the incubator and through the two inspection windows (**photo M**).

The incubation cycle starts now. Mark the date on a calendar and follow the instructions shown in the table of section 4E "Information for a correct incubation".

Monitor the presence of water in the basin by looking into the opening every 24 hours (the level you can see inside the opening corresponds to the one in the basin). Fill up with clean and warm demineralized water (+35/40°C).

Please beware that it is the water surface and not its quantity that generates humidity, therefore the quantity of water in the basin will not affect the humidity rate. The punctual and constant check for the presence of water (that provides the necessary humidity), will prevent the basin from running out of water.

In case of power failure, surround the four sides of the incubator with bottles containing hot water and cover everything with a blanket. This allows the temperature within the incubator to be retained. Once the power is restored, immediately remove all of these items. Do not keep the incubator covered for long periods: low oxygen levels inside the incubator will drastically reduce the hatching rate.

4D - INCUBATION OF PALMIPEDS-EGGS (GOOSE, DUCK, ETC.)

From day 10 of incubation to three days prior the foreseen hatching date, unplug the incubator, remove the lid and let the eggs cool for 15 minutes each day. Before putting the lid back on, spray a misting of water on the eggs.

4E - INFORMATION FOR A CORRECT INCUBATION

Suggested temperature at the beginning of incubation: 37,7°C.

Suggested temperature during the last 3 days before hatching: 37,2°C.

Please make reference to the following chart in order to have a successful hatching:

SPECIES	INCUBATION TIME	FOR A CORRECT HUMIDITY DURING INCUBATION, FILL UP	DO NOT TURN THE EGGS AFTER	FOR A CORRECT HUMIDITY DURING THE LAST 3 DAYS BEFORE HATCHING, FILL UP
Hen	21 days	1 water basin	Day 18	2 water basins
Pheasant	23-25 days	1 water basin	Day 21	2 water basins
Quail	16-17 days	1 water basin	Day 14	2 water basins
Guinea fowl	26-28 days	1 water basin	Day 23	2 water basins
Turkey	28 days	1 water basin	Day 25	2 water basins
Partridge	23-24 days	1 water basin	Day 20	2 water basins
Peacock	28 days	1 water basin	Day 25	2 water basins
Goose	29-31 days	1 water basin	Day 27	2 water basins
Duck / Mallard	27-28 days	1 water basin	Day 24	2 water basins
Muscovy duck	33-35 days	1 water basin	Day 30	2 water basins

5. PERIODIC CHECK OF EGGS DURING INCUBATION (CANDLING)

The candling is a technique that allows to check if the eggs are fertilised or not and to assess the development of the embryo.

This operation should be carried out in a dark room, using a strong beam (e.g. an egg tester) on the egg. It shall be repeated three times during the incubation cycle, starting on the 8th/10th day, at intervals of about one week according to the type of egg. The unfertilised eggs or whose embryo is dead must be discarded. The candling is a delicate and complex operation that can lead to eliminating fertilized eggs by mistake. Since it is facultative, if you are not experienced we recommend proceeding directly with the incubation.

6. HATCHING AND BIRTH OF THE CHICK

The following operation is very delicate and should be executed quickly to prevent the eggs from cooling. We suggest that two people perform it in order to reduce the time as much as possible.

Three days before the expected hatching date:

- a)
- | INCUBATOR WITH EGG TURNING UNIT | SEMI-AUTOMATIC INCUBATOR |
|---|--|
| Stop the egg turning unit by unplugging it when the eggs are in a vertical position: this will facilitate the removal of the egg tray after the eggs have been taken out. | Remove the metal handle from the front of the incubator (photo N) . |

- b) Remove the eggs from the swinging tray and place them gently on a blanket or on a specific egg tray.
c) Remove the egg tray **(foto O)**.

- | INCUBATOR WITH EGG TURNING UNIT |
|--|
| To remove the egg tray simply lift it, pulling it out from the tongue of the egg turning unit.
<u>Note for the following cycle:</u>
Be careful to reinsert the egg tray correctly when you relocate it. If after several incubation cycles you notice that the slit - where the tongue of the egg turning unit is inserted in - is too large, swap the row with another of the tray. |

- | INCUBATRICE SEMIAUTOMATICA |
|---|
| Remove the egg tray.
<u>Note for the following cycle:</u>
Be careful to reinsert correctly both the egg tray and the handle when you relocate them. |

- d) Put the supplied hatching grill floor (removed before the beginning of the incubation) into the base of the incubator, ensuring that its two plastic tongues cover the internal side of the water openings **(photo P)** so that the chicks will not fall into them and drown.
e) Distribute the eggs on the grill **(photo Q)** and close the lid.
f) Fill both basins with lukewarm demineralized water.
g) Set the temperature to 37,2°C (see instructions on page 17).

IMPORTANT

During the last 3 days:

- Do not turn the eggs.
- Do not open the incubator unnecessarily as the necessary humidity and heat for the hatching would escape, causing the death of the chick inside the shell. It is recommended to open the incubator only after having unplugged it, **maximum once a day** to extract the dried off chicks.

Keep the newborn chicks in the incubator for about 12 hours. They can stay inside the incubator for 3 days without drinking or eating without damage.

Once the scheduled incubation days are over, let the incubator work for 2 or 3 days longer to allow any late chick to hatch.

7. FIRST DAYS OF LIFE

Put the chicks in a draught-free room provided with the necessary heat and light where they can be fed and watered.

TIPS: you can use a carton box big enough to contain a drinker and a feeder (min. 50x50 cm) and cover its bottom with newspaper sheets that will require daily renewal.

For heating, you can hang a reflector with an infrared heat lamp at approximately 20-25 cm from the floor. The temperature can be adjusted by changing the height of the lamp.

8. PROBLEMS THAT MAY ARISE DURING INCUBATION

PROBLEM	POSSIBLE CAUSE	SUGGESTION
Clear eggs. No blood vessels are visible during candling	Eggs not fertilized due to too many, too few, too old or infertile cocks	Use only young and vigorous cocks, never consanguineous ones
EN Blood rings are visible while candling	Eggs stored for too long before incubation	Do not store the eggs for more than 7 days
	Too high or too low temperature during storage	Ensure that the room temperature is between +14°C and +18°C
	Inadequate care of the eggs before incubation	Check the correct storing of the eggs
	Eggs not collected frequently enough	Collect the eggs more frequently during the day
Too big air cell (excessive weight loss)	Undersized eggs, too low humidity during incubation	Follow the instructions under chapter 3, namely about the selection of the room where to incubate and about the water basins filling
Too small air cell (small weight loss)	Oversized eggs, too high humidity during incubation	Follow the instructions under chapter 3, namely about the selection of the room where to incubate and about the water basins filling
Many dead embryos / Chicks die before piercing the shell	Blood-related parent stock	The parent stock must not be siblings
	Old eggs	Store the eggs for max. 7 days
	Old parent stock	Parent stock shall not be older than 2-3 years
	Semi-automatic incubator: eggs not sufficiently turned during incubation	Turn the eggs at least 4 times a day
	Bacterial contamination	Ensure that the eggs are clean
	Nutritional deficiencies	Feed the parent stock with specific fodder
	Eggs have traveled for long distances	Incubate local eggs only
	Wrong humidity during incubation	Comply with the information given about the filling up of water basins
	The incubator has worked in an environment too hot	Make sure that the room temperature is NOT above +26°C
	The incubator has been opened too often during hatching	Open the incubator max. once a day to remove the dried off chicks
Other causes	Follow the instructions on chapters 3 and 4	
The eggs fracture	Dirty eggs	Incubate clean eggs
Chicks with malformed lower limbs	Incorrect humidity during incubation	Comply with the instructions on the quantity of water necessary.
	The incubator worked in a room below +20°C	Make sure the room temperature is at least +20°C
	Blood-related parent stock	The parent stock shall not be siblings

9. MAINTENANCE CLEANING AND STORAGE AT THE END OF THE CYCLE

Cleaning should only be undertaken with the power off and when the appliance is cold.

Do not immerse electrical components in water to clean them.

Dirt can cause damage to the appliance, to the incubation and to the people using it. Make sure both the inside and outside of the incubator are clean.

At the end of the cycle, thoroughly clean the lower part of the incubator with neutral detergent first, then disinfect it with a chlorine-based disinfectant or some household bleach. Do not use alcohol or other chemical detergents.

Thoroughly clean the lid exterior with a soft cloth, dampened with clean water and squeezed out.

The external part of the protection grill of the lid should be cleaned with a soft cloth moistened with a chlorine-based disinfectant or some household bleach. Blow the internal part with compressed air to remove any feathers dropped by the chicks.

During these operations the incubator and the egg turning unit must be unplugged.

Do not use solvents, diluents and toxic chemicals. Please refer to the chart at the end of this manual for the list of the substances that would damage the plastic parts.

Allow all parts to dry thoroughly. Place the incubator in a dry place, safe from hits and changes in temperature.

Do not put any other object on top of it.

Do not attempt maintenance on electrical components.

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10. REMOVAL OF THE EGG TURNING UNIT

If you need to remove the egg turning unit, follow the instructions below:

- Remove the egg tray (**photo O**).
- After having turned upside down the base of the incubator, remove the two screws at the bottom (**photo R and S**).
- Remove the screw inside the base of the incubator (**photo T**).
- Remove the egg turning unit.



WARNING!

DO NOT OPEN THE EGG TURNING UNIT BY REMOVING THE FOUR SCREWS SHOWN BY THE ARROWS (PHOTO U). OPENING THE UNIT WILL CAUSE ITS GUARANTEE TO BE NULL AND VOID.

11. WARRANTY

The warranty is valid only if the incubator is used for its intended use.

Apart from the ordinary and extraordinary maintenance described in the CLEANING section, to be carried out as described, any repair or modification made to the appliance by the user or by unauthorized companies will cause the warranty to be null and void.

The warranty does not cover any damage caused by incompetence or negligence in the use of the incubator, or by bad maintenance, or lack of it.

The products we sell are covered by warranty at the following conditions:

- The warranty is valid for a period of twelve/twenty four (12/24) months: 12 months for firms, 24 months for private individuals.
- The producer undertakes to replace at its discretion the malfunctioning or wrongly manufactured parts, only after having thoroughly checked them and having verified the fault.
- Transport and/or shipment costs are always at the purchaser's care.
- During the period of warranty, all replaced products become the producer's property.
- Only the original buyer who fulfills the normal maintenance operations described in this manual can benefit from this warranty. Our responsibility on the warranty expires when the original owner cedes the property of the product or if it has been modified.
- The warranty does not cover damages caused by excessive stress, such as in case the product is used after having ascertained an anomaly or overheating of the motor, in case of improper use, and if the use and maintenance instructions are not observed.
- The producer is not to be held responsible for any difficulty that may arise in the reselling or in the use in foreign countries, caused by regulations existing in the Country where the product was sold.
- The faulty product or part of the product must be delivered to the producer for its replacement; if not, the replaced part will be charged to the buyer.

**NOTICE**

To request the warranty, please indicate the following data:

- Model
- Purchase date (production of the purchase document)
- Detailed description of the problem

**NOTE:**

IF THE METHODS OF INTERVENTION AND USE OF THE EGG INCUBATOR DESCRIBED IN THIS DOCUMENTATION ARE NOT RESPECTED, THE WARRANTY WILL BECOME NULL AND VOID.

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The warranty does not cover machine-stops, nonproduction, etc.

PRODUCER DATA

River Systems s.r.l.
Via Marco Polo, 33 (ZI)
35011 Campodarsego Padova (Italy)
VAT code: 04289370282

AUTHORISED SERVICE

For servicing on the product please refer to your reseller or:
River Systems s.r.l.
Via Pontarola, 15/A (ZI)
35011 Campodarsego Padova (Italy)

12. DISPOSING OF THE UNIT

In case of disposal, please make reference to the local rules for the disposal of electric and electronic appliances (Legislative Decree No. 151 dated 25/7/05 – 2002/96/CE – 2003/108/CE). Do not dispose of it with general household waste. Administrative and criminal penalties will be imposed for non-compliance with standards pertaining to the disposal of electrical waste.

NOTE:

THE PRODUCER IS NOT TO BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED BY THE APPLIANCE, IF NOT USED IN ITS INTEGRAL VERSION, FOR ITS INTENDED USE AND FOLLOWING THE DIRECTIVES GIVEN IN THE PRESENT MANUAL. THE PRODUCER IS IN NO WAY RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR THINGS RESULTING FROM THE SALVAGING OF PARTS OF THE APPLIANCE USED AFTER ITS DISMANTLING.



13. LIST OF THE SUBSTANCES THAT WOULD DAMAGE THE PLASTICS

INDICATOR VALUES A +23	
A	Excellent, little or no swelling, softening or surface deterioration
B	Good chemical resistance, minor swelling, softening or deterioration
C	Limited chemical resistance
NR	Not recommended for use

NAME	Polypropylene (PP) production until 2016	High-density polypropylene (HDPE) production from 2017	Polycarbonate (PC)
	Lid, base, element of egg tray and joining bar, plastic floor, egg turning unit	Lid, base	Inspection window
Acetone	A	C	A
Alcohols	B	B	B
Ammonia	A	A	NR
Benzene	B	NR	NR
Boric acid	A	A	A
Ethyl alcohol	A	A	A
Gasoline	NR	NR	C

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