

"OGB Poly Care 3" Incubator Instruction Manual



THIS MANUAL HAS BEEN REALIZED
RESPECTING THE ENFORCED NORMS.

Index:

2 - "EC" CERTIFICATE	6
3 - PRECAUTIONS	7
3.1 OPERATING PRECAUTIONS.....	7
3.2 ELECTRICAL PRECAUTIONS	8
3.3 EXPLOSION PRECAUTIONS	8
4 - INTRODUCTION	9
5 - GENERAL INSTRUCTIONS	10
5.1 GENERAL DESCRIPTION	10
5.2 CONTROL PANEL	11
5.3 UNPACKING	14
5.4 INCUBATORS ASSEMBLY	14
5.4.1 Base	14
5.4.2 Hood	15
5.4.3 Micro-filter	16
5.4.4 Control Panel and Probes connectors	16
5.4.5 Radiant Heater Hot spot.....	18
6 - OPERATION	19
6.1 OPERATING INSTRUCTIONS.....	19
6.2 OPERATION IMODES	22
6.2.1 Air Temperature Control	23
6.2.2 Skin Temperature Control	24
6.2.3 Relative Humidity & Oxygen	25
6.2.4 Relative Monitoring System	25
6.2.5 Oxygen Concentration Monitoring System	26
6.3 ALARM DEVICES.....	27
6.3.1 Power Failure Alarm.....	27
6.3.2 Fan Block Alarm.....	27
6.4 HOOD ASSEMBLY	28
6.5 BASE.....	28
6.6 AIR CIRCULATING SYSTEM.....	29
6.7 OXYGEN INLETS.....	29
6.7.1 Oxygen Concentration Guide (31%)	29
6.7.2 Oxygen Concentration Guide (52%)	30
6.8 STANDARD HUMIDITY SYSTEM.....	30
6.9 PATIENT BED TRAY	30
7- ACCESSORIES	31
8- CONSUMABLES.....	33
9- ROUTINE MAINTENANCE	34

9.1 MICROFILTER	34
9.2 CLEANING AND STERILISATION	34
9.3 DISASSEMBLY.....	34
9.4 DUSTING	34
9.5 WASHING	34
9.6 DRYING	34
9.7 HEATING UNIT.....	34
10 - WASHING.....	35
11 - TROUBLESHOOTING	36
12 - TECHNICAL DATA SHEET.....	37
13 - OGB POLY CARE 3 COMPLIES WITH THE FOLLOWING REGULATIONS	38
14 - ECO-COMPATIBLE RECALL and DISPOSAL	38

1 - PRESENTATION

*Dear customer,
we would like to thank you for choosing our Incubator “OGB Polycare 2”.
Ginevri’s quality, long experience, safety and easy maintenance will prove to be
the best reward for your continuous interest in our products line.*

Giorgio Ginevri

GINEVRI s.r.l. – Registered office

Via Giacomo Boni - 00162 Roma



Warning



Before using the device, all personnel, who will be working with the unit, should read and thoroughly understand this manual.

This manual provides instructions for calibration and operator maintenance. Ginevri cannot be responsible for the performance of the Incubator “OGB Polycare 2” if the user does not operate the unit in accordance with the instructions, fails to follow the maintenance recommendations in this manual, or effect any repairs with unauthorized components.

Calibration and repair should be performed only by qualified service personnel. Technical information is available through your local distributor.

If there is anything you do not understand, please contact your Ginevri’s representative for further information.

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This manual refers to the enclosed equipment:

Incubator OGB Polycare 3

S/N _____

2 - "EC" CERTIFICATE

EC CERTIFICATE

Certificate No 747/MDD

Annex

Infant intensive care incubators
 Type ref. OGB Poly Care 1; OGB Poly Care 2; OGB Poly Care 3; OGB Poly Care 4;
 OGB polytrend.
 Trade mark Ginevri

Transport infant incubators
 Type ref. Baby Shuttle Normal Care; Baby Shuttle Special Care;
 Baby Shuttle Intensive Care.
 Trade mark Ginevri

Infant warmers
 Type ref. IW409; IW509; IW909.
 Trade mark Ginevri
 Series: IW509 PLUS.
 Trade mark Ginevri
 Series: Isola Neonatale Type ref. ALHENA PLUS ELEVABILE; ALHENA PLUS FISSA; ALHENA
 ELEVABILE; ALHENA FISSA.
 Trade mark Ginevri

Infant heating mattress
 Type ref. Acquatherm.
 Trade mark Ginevri

Oxygen analyzers
 Type ref. LCD 1000.
 Trade mark Ginevri

Oxygen tents
 Type ref. Oxytent 1000; Oxytent 2000.
 Trade mark Ginevri

Phototherapy lamps in neonatal hyperbilirubinemia
 Type ref. IP; IPR; RPR; RPS; D; GN; Bililight.
 Trade mark Ginevri

Auxiliary infant warmers
 Type ref. Hot Spot.
 Trade mark Ginevri

Air compressor for transport incubator

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This is a translation of the Italian text, which prevails in case of doubts

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3 - PRECAUTIONS

3.1 OPERATING PRECAUTIONS

This Instruction Manual must be carefully read and understood by all personnel who install, operate or service the **OGB Poly Care 3** Incubator.

This Incubator should be operated, maintained and repaired in accordance with the instructions contained in this manual.

When use oxygen avoid using alcohol and ether that may cause fire.
Oxygen hoods may increase the noise level inside the incubator.

Slide out the control panel from the base carefully when the heating unit may be still hot.

The heating unit is soundless: internal noise level 45-47dB. Should the noise level increase sensibly, it is advisable to check the unit in order to prevent or limit damages.

Incubator misuse may result in harm to the infant. Incubators should be used only by properly trained personnel as directed by an appropriately qualified attending physician aware of currently known hazards and benefits.

Before using the incubator with patients, the incubator and the accessories should be checked, thoroughly cleaned and disinfected to ensure that equipment is in proper operating condition . See Routine Maintenance instructions.

Direct sun-light or any other external heating sources (like phototherapy lamps, radiators) may increase the temperature inside the incubator dangerously. Nevertheless the **OGB Poly Care 3** separate Max Temperature Audio-visual alarm will activate at 40°C

Remove the control panel from the base carefully when the heating unit may be still hot

The incubator should not be used if it fails to function properly. Service should be referred to qualified personnel.

For safety DO NOT leave the infant unattended when the door is open.

To prevent accidental disconnection, secure all patient leads, infusion lines and ventilator tubing to the mattress with sufficient excess length to allow full range height adjustment of the mattress.

When moving the incubator, two persons of sufficient strength are required for adequate control.

A pre-heating regime of approx. 30 minutes is needed when the incubator is first turned on before use. Therefore, a good and safe standard procedure is to wait until the internal temperature of the incubator has stabilized at the desired level before putting the patient inside.

3.2 ELECTRICAL PRECAUTIONS

To ensure grounding reliability, connect the AC Power Cord only to a properly grounded 3 wire hospital grade or hospital use outlet. Do not use extension cords. If any doubt exists as to the grounding connection, do not operate the equipment.

An electric shock hazard exist within the Controller when the cover is removed. Servicing should be performed only by qualified personnel.

Make sure the building power source is compatible with the electrical specifications shown on the incubator's label.

3.3 EXPLOSION PRECAUTIONS

Do not use in the presence of flammable anesthetics.

Make sure that oxygen supply to the incubator is turned off and the incubator is disconnected from the oxygen supply when performing cleaning and maintenance procedure; a fire and explosion hazard exists when performing cleaning and/or maintenance procedure in an oxygen – enriched environment.

Keep matches, lighted cigarettes, and all other sources of ignition cut out of the room in which the incubator is located. Textiles, oils, and other combustibles are easily ignited and burn with great intensity in air enriched with oxygen.

4 - INTRODUCTION

The philosophy that has guided GINEVRI in the design of their products for the last 40 years is **Maximum Performance**, and **User Friendliness** at the same time. This philosophy has conducted to the line of incubators OGB *Poly Care*.

Poly Care control units are microprocessor driven and can control all the parameters necessary to obtain the ideal environment for the premature baby. Depending on the model is possible to monitor and control:

- Temperature (Air, Skin) with proportional heating;
- Humidity, with an integrated sterile humidity generating system;
- Oxygen concentration in the hood or in the head-box;

Data are displayed on big, clear colour displays and the desired parameter values are set trough soft-touch sealed keys arranged in an intuitive and error-free pattern.

Up to 126 incubator can be connected to a networking system and monitored by a remote computer.

The intensive care incubators can be equipped with the revolutionary *Hot-Spot* radiant heater, when this system is fitted the baby skin temperature is maintained constant even with both doors open, thus eliminating the clumsiness of the double wall and the danger of the air curtain.

Technology and materials

The choice of materials and technologies employed is what makes the difference in the new generation of incubators. Hood, base and main components of the *Poly Care* incubators are injection-moulded in Polycarbonate (Lexan).

Poly Care incubators are «unique» for their design, features and manufacturing technologies, on the market it is impossible to find apparatus with all this features at the same time.

The injection-moulding in a single block, the absence of glued junctions and the round shapes improve the air circulation, reduce the internal noise level and allow a radical cleaning and sterilisation. All this features and details guarantee the incubator optimal performance.

To order a spare part from every part of the world what you need is just a fax and a part number.

The technical solutions employed for the *Poly Care* incubators make maintenance and servicing easy and economical. Even the need for specialised service engineers is no longer required. This happens because the mechanical components, manufactured with a moulding process, are all strictly identical and because, thanks to digital electronics, servicing means only changing a board or a probe.

Incubator base, control panel, humidifier, patient tray and *Smooth-Tilt*, are all injection moulded in Polycarbonate (Lexan).

Polycarbonate is unbreakable, high temperature resistant, fire retardant, disinfectants and chemicals resistant.

Thanks to the materials and the technologies employed the apparatus can be completely disassembled without tools in a few minutes.

The hood of *Poly Care* incubators is made in lexan too, this material is, unbreakable, heat resistant (up to 150°C), durable. The single piece injection moulding and, therefore, the absence of joined or glued parts, guarantees hygiene and sterility.

For all this reasons Lexan hoods outperform under every aspect traditional acrylic plexiglas hoods.

For an optimal access to the patient the doors on the two sides of the hood can be completely opened and when open, the hood top is still accessible. The hood is equipped with six port-holes provided of dampened opening.

5 - GENERAL INSTRUCTIONS

5.1 GENERAL DESCRIPTION

The **OGB POLY CARE 3** is a fully microprocessor driven Infant Incubator to provide both air and skin temperature control and constant monitoring of Oxygen Concentration and RH.

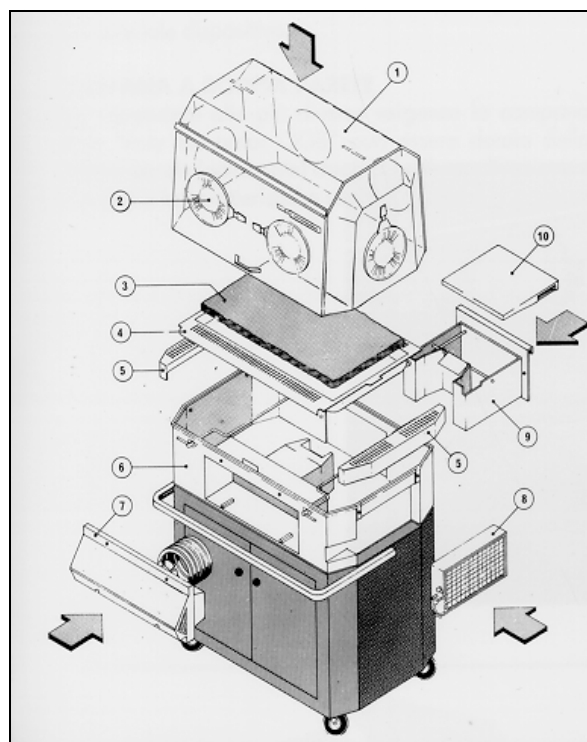
In addition, the heater output is proportional to the heat required by the little patients to maintain their own temperature and it is shown by the led bar scale changes. Heat outputs vary according to babies' needs and their dependence upon incubator, in order to create the best environmental conditions for the little patients, minimise temperature fluctuations and gradually wean the babies from the incubator system.

The **OGB POLY CARE 3** system provides:

- a) accurate and automatic air temperature adjustment to achieve patient's set temperature;
- b) temperature constant monitoring with settable high/low temperature alarms;
- c) uniform temperature values inside the hood;
- d) an indication of when it suitable to suspend the treatment, being the set patient temperature achieved without heat outputs (the led bar showing proportional heating is off);
- e) Oxygen Concentration constant monitoring and servo-controlled adjustment with high/low O2 Concentration alarms;
- f) RH constant monitoring.

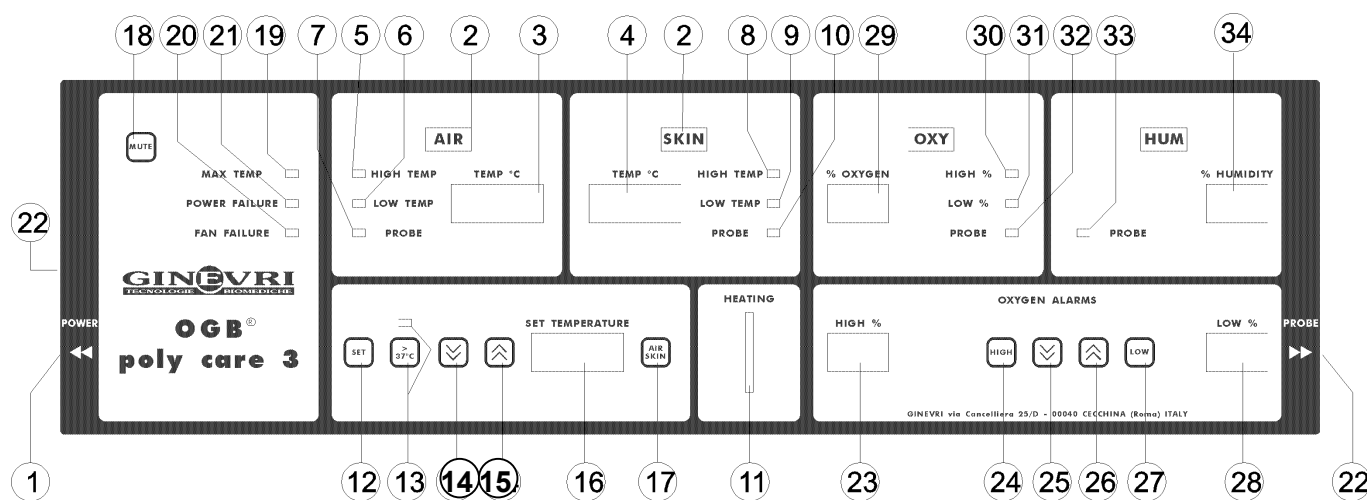
OGB POLY CARE 3 Assembly mounted on closed cabinet trolley:

1. One piece injection moulded Polycarbonate transparent hood;
2. Port holes with sleeves and door releases;
3. Fire retarding mattress;
4. Polycarbonate patient tray equipped with *Smooth-Tilt* for the smooth adjustment of the posture bed in the Trendelburg and Fowler positions;
5. Polycarbonate baffles;
6. Polycarbonate base complete with a humidity system and a air micro-filter;
7. Removable Control Panel (housed in the incubator base);
8. Air and /or O2 micro-filter (filtering capacity 0,5 micron)
9. Polycarbonate removable humidifier. It refills externally.
10. Humidifier cover lid equipped with device for the adjustment of RH inside the hood.



The **OGB POLY CARE 3** power requirements are 220V - 50/60 Hz.

5.2 CONTROL PANEL



- 1 **ON/OFF Green Switch** : the unit turns on/off when the switch is pressed/depressed. The power failure alarm operates if the switch is ON and the Power cord is unplugged or there is not Power Supply.
- 2 **AIR or SKIN Mode Led Indicator**, lights when Air or Skin is selected.
- 3 **Actual Air Temperature** in the hood in °C.
- 4 **Actual Skin Temperature** measured by the skin probe in °C.
- 5 **High Air Temperature Alarm**, it activates when the temperature inside the hood is 1°C higher than the set point. It blinks if muted.
- 6 **Low Air Temperature Alarm**, it activates when the temperature inside the hood is 3°C lower than the set point. It blinks if muted.
- 7 **Air Temperature Probe Failure Alarm**.
- 8 **High Skin Temperature Alarm**, it activates when the baby temperature is 1°C higher than set value. It blinks if muted.
- 9 **Low Skin Temperature Alarm**, it activates when the baby temperature is 1°C lower than the set value. It blinks if muted.
- 10 **Skin Temperature Probe failure Alarm**.
- 11 **Led Bar**, showing the heat output percentage.
- 12 **SET Key**, press and hold to set either Air and Skin temperature using the temperature arrows keys (14) to lower and (15) to raise.

- 13 **>37 Key**, press and hold to set either Air or Skin temperatures above 37°C using the temperature arrow key (14).
- 14 **Temperature «DOWN» Arrow key** (it operates keeping Set Key (12) pressed).
- 15 **Temperature «UP» Arrow key** (it operates keeping Set Key (12) pressed).
- 16 **Set Temperature Display**. It shows either Set Air or Skin Temperature according to the selected mode.
- 17 **AIR-SKIN Key**, press to select either AIR or SKIN mode (it operates keeping Set Key (12) pressed).
- 18 **MUTE Key**, it mutes the audible alarms.
- 19 **MAX Temperature Alarm**, it activates at 38°C when the set temperature is $\leq 37^{\circ}\text{C}$ or at 39°C when the set temperature is $> 37^{\circ}\text{C}$. A separate Max Temperature Alarm will activate automatically at 40°C for any Set Temperature or over heating due to external sources (sun-ray, phototherapy lamps, radiators) and shut off the heating.
This alarm cannot be muted
- 20 **Fan Failure Alarm**, in case of fan malfunction it activates and the heating is shut off.
This alarm cannot be muted
- 21 **Power Supply Failure Alarm**.
This alarm cannot be muted
- 22 **Separate Sockets for Probe Assembly (right side) and O2 Sensor Probe (left side)**.
- 23 **Set O2 Concentration Display**.
- 24 **SET HIGH Key**, press and hold to set High O2 Concentration Alarm using the temperature arrows keys (25) to lower and (26) to raise.
- 25 **O2 Alarms Setting «DOWN» Arrow key** (it operates keeping Set Keys (25) or (26) pressed).
- 26 **O2 Alarms Setting «UP» Arrow key** (it operates keeping Set Keys (25) or (26) pressed).
- 27 **SET LOW Key**, press and hold to set Low O2 Concentration Alarm using the temperature arrows key (25) to lower and (26) to raise.
- 28 **Low O2 Concentration Alarm Display**.
- 29 **Actual O2 Concentration** in the hood in %.
- 30 **High O2 Concentration Alarm**, it goes off when the O2 Concentration inside the hood is 1% higher than the set point. It blinks if muted.
- 31 **Low O2 Concentration Alarm**, it goes off when the O2 Concentration inside the hood is 1% higher

than the set point. It blinks if muted.

32 O2 Sensor Probe Failure Alarm.

33 RH Probe Failure Alarm.

34 Actual RH Level in the hood in %.

5.3 UNPACKING

Typically, OGB Poly Care Line Incubators are shipped completely assembled in a wooden crate. Pay attention not to scratch or damage the surfaces removing the packaging materials.

5.4 INCUBATORS ASSEMBLY

OGB Poly Care line Incubators are designed to allow an easy maintenance, disassembling and sterilisation.

Electrically powered elements are included in the control panel which can be easily with removed simply loosening four thumb screws.

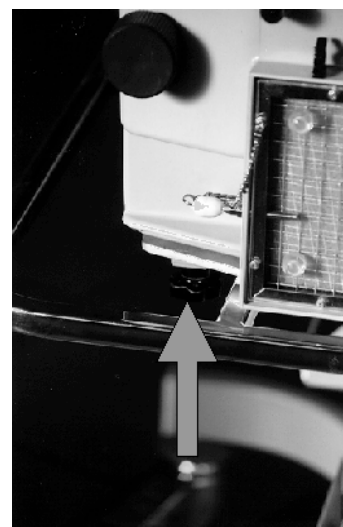
All the components can be disassembled without using tools.

5.4.1 Base

To avoid the Incubator tilting or falling, secure the Base to the cabinet as shown.

Place the Base on the stand and secure it using the clamping knobs on each edge.

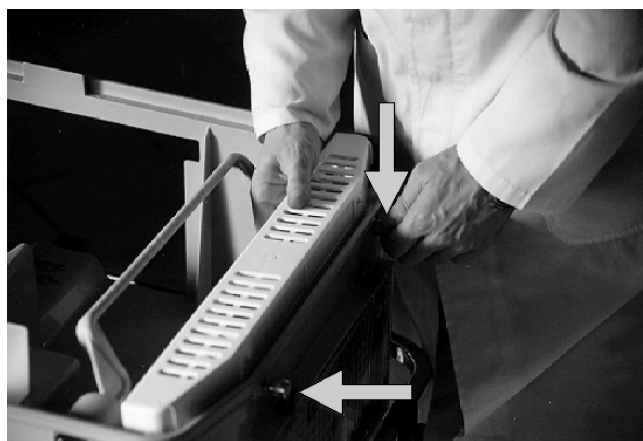
Check to be certain Incubator is firmly secured to the stand. Do not place in service if not.



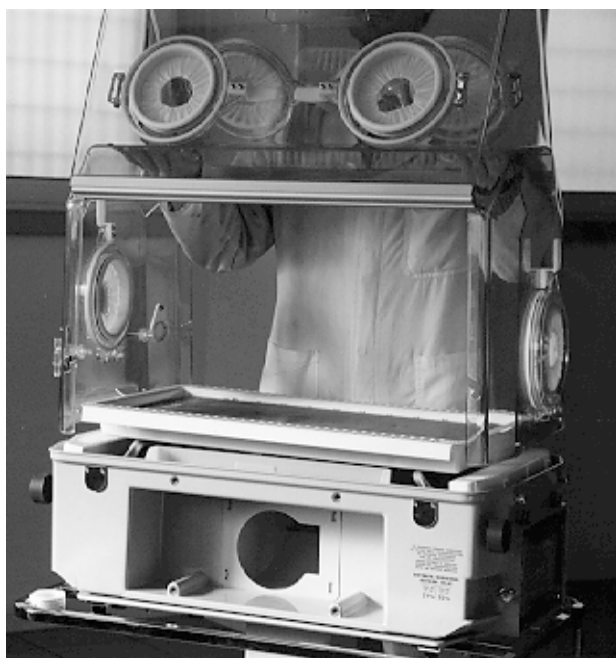
Install the Deflector on the base as shown .



Secure both the Lexan baffles with the threaded pins supplied.



5.4.2 Hood



Lift the Hood as shown and place it on the base properly aligned on the threaded pins of the baffles. Secure the pins fast.

Lower both the elevators of the Tray Tilt Mechanism **Smooth-Tilt** turning the blue knobs on the left and right side of the base. Install the mattress tray as shown.



Both the doors are connected to the hood by means of a «slide out» type hinge in one piece with only two mounting screws for an absolute sterilisation as there are no hidden areas or critical points.

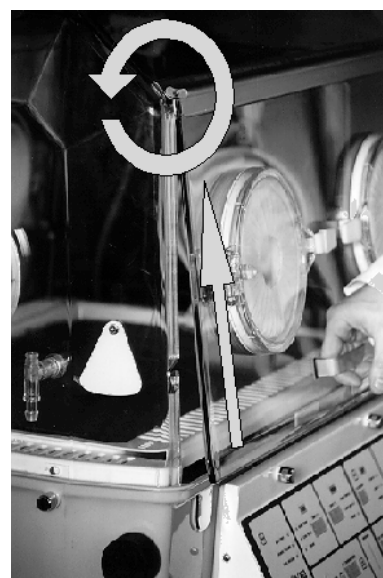


To disassemble the doors loose both the screws and slide the hinge out.

Both the doors should be kept close during routine operation. For infant safety, do not leave the infant unattended while the doors are open.

WARNING

Closing the doors, check that the bottom side of the door is inserted in the base slot as shown in the figure.



5.4.3 Micro-filter

Install an Air Filter, with a filtering capacity not lower than $0.5 \mu\text{m}$, on the right side of the unit as shown.

Do not attempt to clean or reverse the micro-filter. If dirty or older than 3 month, it should be replaced (P/N 11130A72 for an order). Before installing a new filter, clean the Micro-filter chamber.

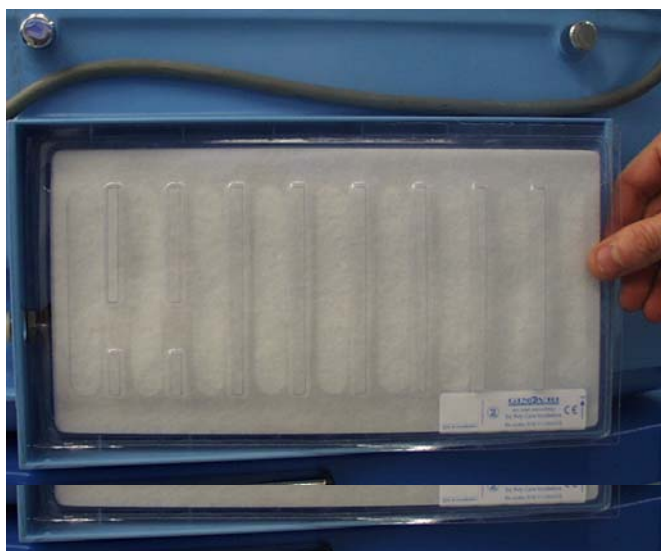
WARNING

A dirty Air Intake Micro-filter may affect oxygen concentration and/or cause carbon dioxide built-up. Be sure the filter is checked on routine basis commensurate with local conditions.



Instructions to replace the filter:

- remove air intake filter cover by pulling it out by means of the handle placed on the right side of the cover (as shown in the figure).
- Clean the micro-filter chamber and cover. Before installing the new filter, take note of the date replacing and write it down in the appropriate space on the right side of the filter. Install the new filter. The date must be always visible.



N.B. Ginevri s.r.l. cannot be responsible for the malfunctioning of the equipment and injury of the operator and/or patient which may be caused by the use of other types of filters.

5.4.4 Control Panel and Probes connectors

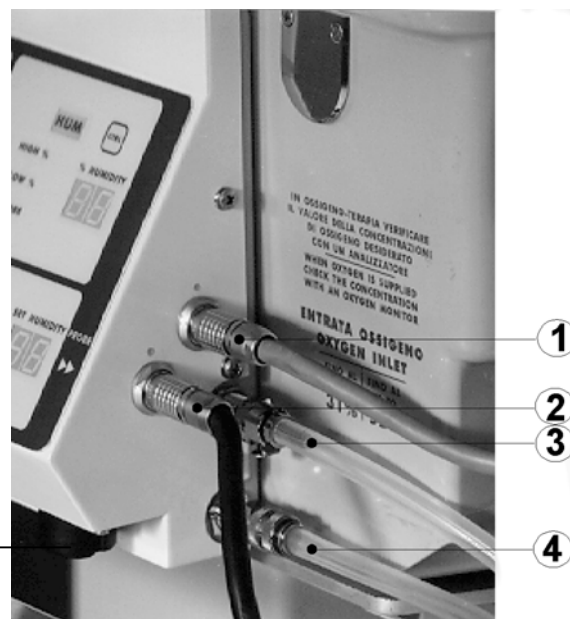
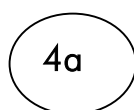
Install the Control Panel and secure it with the supplied thumb screws.

WARNING

The Controller heater can be sufficiently hot to cause burns; avoid moving or touching it until the unit has been switched off for at least 30 minutes.



- 1 Probe Assembly connector and cable
- 2 Servo Steam connector and cable (OGB Poly Care 4 only).
- 3 Servo O2 inlet from the gas supply (oxygen can be administered from a wall source or the oxygen cylinder) (OGB Poly Care 4 only).
- 4 Servo O2 outlet and pipeline to Head Box (OGB Poly Care 4 only)
- 4a Hot Spot cable socket



INTERCONNECTING PROCEDURE

- ◆ Connect Probe Assembly cable (1) to the **OGB Poly Care 3**.
- ◆ Connect Hot Spot cable to the socket (4a) to the **OGB Poly Care 3**.
- ◆ Connect Mains Electrical Supply cable (7) to the **OGB Poly Care 3**. Switching on the unit (5) check that the mains green indicator is lit on the switch.
- ◆ Connect O2 Probe cable (6) to the **OGB Poly Care 3**.
- ◆ Insert O2 probe (8) into the support (9) supplied for calibration.

- 5 ON/OFF Green switch
- 6 O2 probe connector
- 7 AC Power Cable
- 8 Oxygen Probe
- 9 Oxygen probe support for calibration



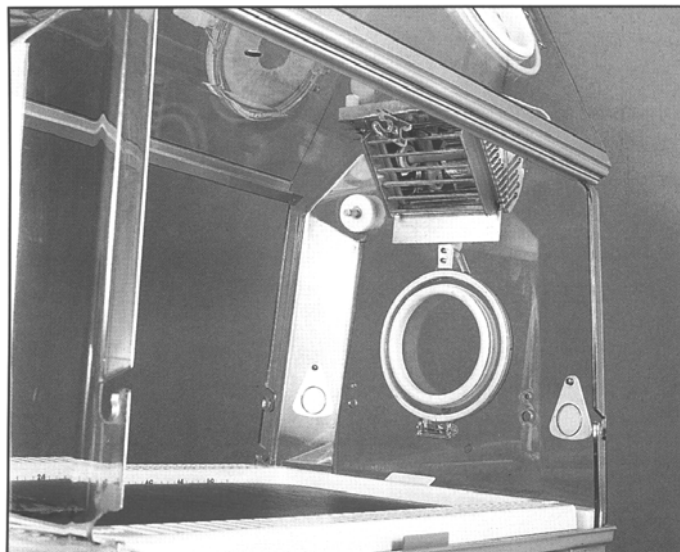
5.4.5 Radiant Heater Hot spot

OGB *Poly Care 3* can be equipped with new **Hot Spot** system (optional).

The **Hot Spot** is an infrared radiant heater controlled by the incubator SKIN Mode operation system which allows to maintain constant pre-set baby skin-temperature even with both incubator doors open.

The system consists of:

- 1 Hood port cover lid
- 2 Radiant heater
- 3 **Hot Spot** module



- ◆ Remove the port cover lid from the hood right side.
- ◆ Insert the Radiant Heater through the port on the hood right side and secure it using the two thumb-screws supplied for the port cover lid.

WARNING

Check that both thumb screws are fully tightened before proceeding.

- ◆ Insert the **Hot Spot** module into the slot on the right side of the trolley.
- ◆ Secure the cable connecting the radiant heater and the module with the clamps provided.
- ◆ Loosen the screw-cap of the Hot Spot cable socket on the right side of the control panel. This socket is labelled: **Hot Spot**
- ◆ Screw **Hot Spot** module cable to the socket.
- ◆ Press the switch on the Hot Spot Module to power the system on.

Hot Spot will now automatically adjust radiant heater output to correct the difference between the actual patient temperature and the required level set by the user.

CAUTION

Hot Spot activates only when OGB *Poly Care 3* is operating in SKIN Mode Control. A pulsating audible alarm indicates that the system is on. This alarm is self-resetting and reactivates automatically after a 10 minute delay.

WARNING

HOT SPOT SHOULD BE USED WITH A LEAST ONE DOOR OPEN. IF BOTH DOORS ARE CLOSED DO NOT ADMINISTER OXIGEN.

6 - OPERATION

6.1 OPERATING INSTRUCTIONS

1. Connect the power cord to 220V-50Hz.
2. Press ON the Power
3. Connect the Probe Assembly to the Probe Assembly socket (22).
4. Insert the Probe Assembly end through the hole on the top of the hood as shown in the Figures.



5. Air Temperature value will be displayed on (3).
6. RH value will be displayed on (34)
7. Connect the plug of the Skin Probe to the Skin Probe socket placed on the bottom side of the Probe Assembly.
8. When the infant is on its back or side, put the tip of the probe to the midline of the abdomen, halfway between the umbilicus and the xyphoid. When the infant is prone, the probe should be on the infant's back. The skin area where the probe is to be placed should be thoroughly cleaned and dried before the probe is placed on the skin. The Skin Probe must be attached in complete contact with the skin. Ginevri heart shaped **Reflectors** (p/n 565) are designed for this purpose.

WARNING

The probe must never be placed under the infant or used rectally.

9. Skin Temperature value will be displayed on (4).
10. Check the water level of the humidifier reservoir, and if necessary fill it to the gauge line with sterile distilled water.
11. Pre-heat the incubator until the temperature inside the hood is stabilised at the set value. Putting the

equipment first into use or using it immediately following a period of storage, allow approximately 30 minutes for pre-heating to be performed.

12. If the temperature external is higher than that required by the patient, put some ice inside the humidifier reservoir. In this way, the temperature decreases and the operator may set the right value.
13. The **OGB Poly Care 3** is provided with an Assembly of 5 probes that guarantee the utmost reliability. Two probes monitor the Air temperature. The second Air probe becomes operative whenever the first probe fails. In this case the probe alarm (7) is flashing. Should be both the probes faulty, the probe visual alarm light is steady. The third probe (Skin probe) monitors the Skin temperature, in case of failure, the probe audio-visual alarm (10) activates and the incubator will start to operate automatically in Air Mode at 33 °C. The fourth probe is connected to the Max Air Temperature alarm with separate safety circuit. The fifth probe (Humidity probe) monitors the RH inside the hood. In case of failure of this probe the Humidity Probe failure alarm (40) activates.

O2 Calibration Procedure:

Connect the plug of the Oxygen Sensor Probe to the O2 Sensor Probe socket (22), as shown in the figure.

Flashing red LED letters "CA" will be displayed on (29) to indicate that calibration should be performed before proceeding.

Insert the O2 Sensor Probe in the support supplied for calibration as shown in the figure.



Check that the Sensor pin is inserted in the support slot.

Displayed "CA" letters become steady to indicate that automatic calibration is activated.

WARNING

If "CA" indicator goes on flashing, the sensor is not being calibrated.

In this case:

1. Repeat calibration procedure and check that the sensor probe pin is correctly inserted into the support slot.
2. The sensor is at the end of its useful life and must be replaced.

Allow approximately 30 seconds for a O2 concentration of

21% to be displayed.

WARNING

Should the sensor be exhausted, calibration will not be performed and the alarm PROBE will be activated.

During the calibration, the O₂ concentration of the environment should be of 21% to avoid faulty readings or probe failure alarms.

Before proceeding it is advisable to check the accuracy of the readings measuring gasses with known O₂ concentrations: Air (21%) and pure Oxygen (100%). If the display cannot be adjusted to reach 99% (measuring pure Oxygen) or does not return to 21% (+/- 1%) then the sensor must be replaced.

To achieve accurate FiO₂ readings the Sensor Probe should have the same temperature of hood. It is advisable to place it inside the hood during pre-heating operations.

GINEVRI recommends that calibration procedure is performed according to the following schedule:

- ◆ Before the equipment is first put into use.
- ◆ Before the equipment is used immediately following a period of storage.
- ◆ Once every 24 hours when the equipment is in constant use.
- ◆ Whenever primary power to the incubator is interrupted for any reason.

Hang the O₂ Sensor Probe by means of the hood supports or insert it into the Head Box support as showed in the figure.

O₂ Sensor Probe positioning in the box, will be detected automatically by OGB Poly Care 3 whenever GINEVRI Head Boxes are employed.

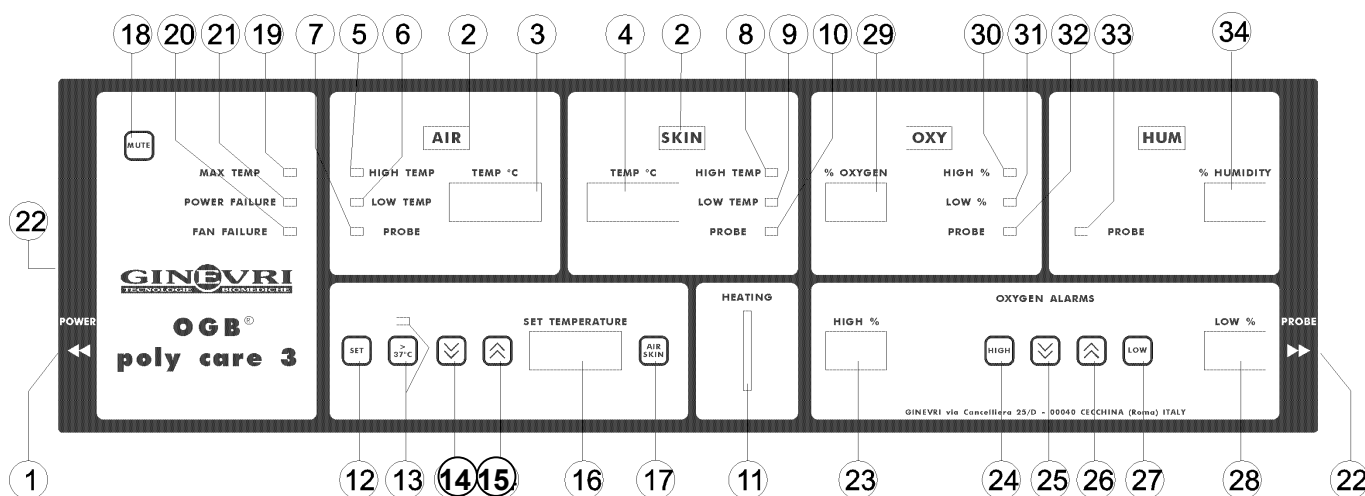
WARNING

Care should be taken in placing the O₂ sensor probe apeak, either in the hood or in the head box, in order to prevent the accuracy of the readings from being affected.



6.2 OPERATION IMODES

The microprocessor system controls both Air (AIR Mode) and Skin (SKIN Mode) temperature with proportional heating. The heating percentage is displayed on a 5 segment LED Bar.



- 2 **AIR or SKIN Mode Led Indicator**, lights when Air or Skin is selected.
- 3 **Actual Air Temperature** in the hood in °C.
- 4 **Actual Skin Temperature** measured by the skin probe in C°.
- 5 **High Air Temperature Alarm**, it activates when the temperature inside the hood is 1°C higher than the set point. It blinks if muted.
- 6 **Low Air Temperature Alarm**, it activates when the temperature inside the hood is 3°C lower than the set point. It blinks if muted.
- 7 **Air Temperature Probe Failure Alarm**.
- 8 **High Skin Temperature Alarm**, it activates when the baby temperature is 1°C higher than set value. It blinks if muted.
- 9 **Low Skin Temperature Alarm**, it activates when the baby temperature is 1°C lower than the set value. It blinks if muted.
- 10 **Skin Temperature Probe Failure Alarm**.
- 11 **Led Bar**, showing the heat output percentage.
- 12 **SET Key**, press and hold to set either Air and Skin temperature using the temperature arrows keys (15) to lower and (145) to raise.
- 13 **>37 Key**, press and hold to set either Air or Skin temperatures above 37°C using the temperature arrow key (14).

- 14 **Temperature «DOWN» Arrow key** (it operates keeping Set Key (12) pressed).
- 15 **Temperature «UP» Arrow key** (it operates keeping Set Key (12) pressed).
- 16 **Set Temperature Display.** It shows either Set Air or Skin Temperature according to the selected mode.
- 17 **AIR-SKIN Key**, press to select either AIR or SKIN mode (it operates keeping Set Key (12) pressed).
- 18 **MUTE Key**, it mutes the audible alarms.
- 19 **MAX Temperature Alarm**, it activates at 38°C when the set temperature is $\leq 37^{\circ}\text{C}$ or at 39°C when the set temperature is $> 37^{\circ}\text{C}$. A separate Max Temperature Alarm will activate automatically at 40°C for any Set Temperature or over heating due to external sources (sun-ray, phototherapy lamps, radiators) and shut off the heating.
This alarm cannot be muted

6.2.1 Air Temperature Control

The Air temperature control activates automatically at 33°C when the incubator starts to work. The microprocessor system controls air temperature with proportional heating. The heating percentage is displayed on a 5 segments LED Bar (11).

To change Air Temperature from 20°C to 37°C press SET key (12) and (14) or (15) keys at the same time to decrease or increase set temperature (0,1°C step).

To increase temperature over 37°C press (12) key and (13) key at the same time and (14) or (15) keys to decrease or decrease temperature (0,1°C step).

WARNING

Temperature Override Mode $> 37^{\circ}\text{C}$ key is inactive until the Set Temp has been set to 37°C.

Pre-set temperature values are memorised and they will be stored in case of power failure or black out.

Actual air temperature is displayed by the Air temperature display (3).

High/Low Air Temperature Alarms

The high and low temperature alarms (5) - (6) are automatically pre-set setting a new temperature. The alarm activates when actual air temperature is 1°C higher than set temperature or 3°C lower than the set temperature.

If the MUTE key (18) is pressed during an alarm condition, the audible alarm is suppressed but the light goes on flashing. If the alarm condition is not corrected within 10 minutes, the audible alarm will be reactivated.

AIR Temp. Probe Failure Alarm (7) is an immediate visual and audible alarm which cannot be muted.

Max Air Temperature Alarm

If the set temperature is lower or up to 37°C, an audio-visual Max Temperature alarm **(19)** activates when the temperature exceeds 38°C. If the set temperature is between 37°C or 38°C an audio-visual alarm activates **(19)** when the temperature exceeds 39°C. This alarm cannot be muted until the Max Temp. alarm condition is corrected.

6.2.2 Skin Temperature Control

Skin temperature activates automatically at 36 °C when the incubator starts to work. The relative amount of heat being provided to achieve set Skin temperature is displayed on a 5 segments LED Bar **(11)**.

Press Set key **(12)** and AIR/SKIN **(17)** key to set SKIN Operation Modes.

To change Skin Temperature from 25°C to 37°C press SET key **(12)** and **(14)** or **(15)** keys to increase or decrease temperature (0,1°C step).

To increase temperature over 37°C press **(12)** and **(13)** key at the same time and **(14)** or **(15)** keys to decrease or increase temperature (0,1°C step).

WARNING

Temperature Override Mode > 37 °C key is inactive until the Set Temp has been set to 37 °C.

The pre-set temperature values are memorised and they will be stored in case of power failure or black out.

A temperature sensing probe is attached directly to the infant's skin; the information from the probe is supplied to the heater control circuitry which proportions the heater output to maintain the Baby's Temperature at the set Skin Temperature.

Actual baby temperature is displayed by the Skin temperature display **(4)**.

High/Low Skin Temperature Alarm

The high and low temperature alarms **(8)** - **(9)** are automatically pre-set when setting a new temperature. The alarm activates when skin temperature is either 1°C higher or lower than the set skin temperature.

If the MUTE key **(18)** is pressed during an alarm condition, the audible alarm is suppressed but the light goes on flashing. If the alarm condition is not corrected within 10 minutes, the audible alarm will be reactivated.

SKIN Temp. Probe Failure Alarm (10) is an immediate visual and audible alarm which cannot be muted.

6.2.3 Relative Humidity & Oxygen

23 Set High O2 Concentration Alarm Display.

24 **SET HIGH Key**, press and hold to set High O2 Concentration Alarm using the temperature arrows keys **(25)** to lower and **(26)** to raise.

25 **O2 Alarm Setting <<DOWN>> Arrow key** (it operates keeping Set Keys **(25)** or **(26)** pressed).

26 **O2 Alarm Setting <<UP>> Arrow key** (it operates keeping Set Keys **(25)** or **(26)** pressed).

27 **SET LOW Key**, press and hold to set Low O2 Concentration Alarm using the temperature arrows keys **(25)** to lower and **(26)** to raise.

28 Set Low O2 Concentration Alarm Display.

29 **Actual O2 Concentration** in the hood in %.

30 **High O2 Concentration nAlarm**, it activates when the O2 Concentration inside the hood is 1% higher than the set point. It blinks if muted.

31 **Low O2 Concentration Alarm**, it activates when the O2 Concentration inside the hood is 1% lower the set point. It blinks if muted.

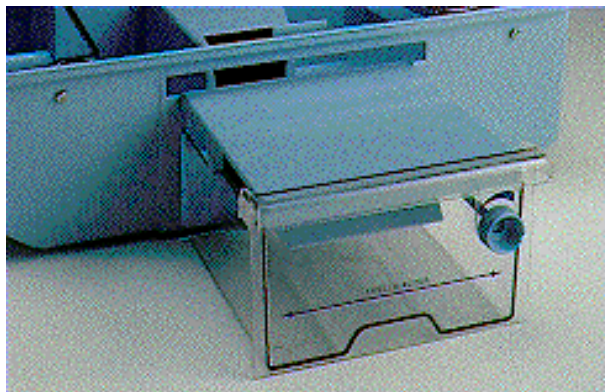
32 2 Sensor Probe Failure Alarm.

33 RH Probe Failure Alarm.

34 **Actual RH Level** in the hood in %.

6.2.4 Relative Monitoring System

OGB Poly Care 3 can be equipped with A standard humidity system consisting of a transparent polycarbonate tank, housed in Incubator Base rear side, allowing water level constant monitoring. This system allows to adjust the RH level up to 90% turning clockwise the blue knob. The water tank can be withdrawn from the base simply pressing the latches on the left and right side of the same. Fill in the water reservoir to the gauge line.

**WARNING**

It is advisable to use distilled water to prevent calcium in the evaporator.

Turning the incubator on, actual Relative Humidity in the hood will be monitored and displayed on **(34)** (2 red led digits).

Condensation may form inside the hood at the higher humidity values settings. The amount of condensation will depend on the difference between room temperature and incubator temperature.

RH Probe Failure Alarm (33) is an immediate visual and audible alarm which cannot be muted.

6.2.5 Oxygen Concentration Monitoring System

OGB Poly Care 3 is provided with system which will enable optimum monitoring of O₂ concentration in the incubator hood or in the head-box in the range 21-99%.

The system improves patient therapy ensuring that the Oxygen concentration level set by the clinician is maintained to a very tight tolerances.

WARNING

For safety reasons it is not possible to set oxygen concentrations above 52% in the hood. Higher concentrations up to 99% can be easily achieved in the head box.

Check to be certain that the oxygen sensor cable is properly connected following the assembling instruction as described previously.

Perform the calibration procedures as described previously.

Once calibration procedure has been performed, actual O₂ Concentration in the hood will be monitored and displayed on **(29)** (2 red led digits).

WARNING

If primary power to the incubator is interrupted for any reason calibration procedure must be performed.

High/Low O₂ Alarm

The high and low O₂ alarms **(30)** - **(31)** depressed and hold either **HIGH** key **(24)** (to set High O₂ Concentration Alarm) or **LOW** key **(27)** (to set Low O₂ Concentration Alarm) and adjust by simultaneous depression of **(25)** key (to lower) or **(26)** key (to raise) (step 1%). The alarm activates when O₂ Concentration exceed or is lower than set values.

If the MUTE key **(18)** is pressed during an alarm condition, the audible alarm is suppressed but the light goes on flashing. If the alarm condition is not corrected within 10 minutes, the audible alarm will be reactivated.

O₂ Probe Failure Alarm (32) is an immediate visual and audible alarm which cannot be muted.

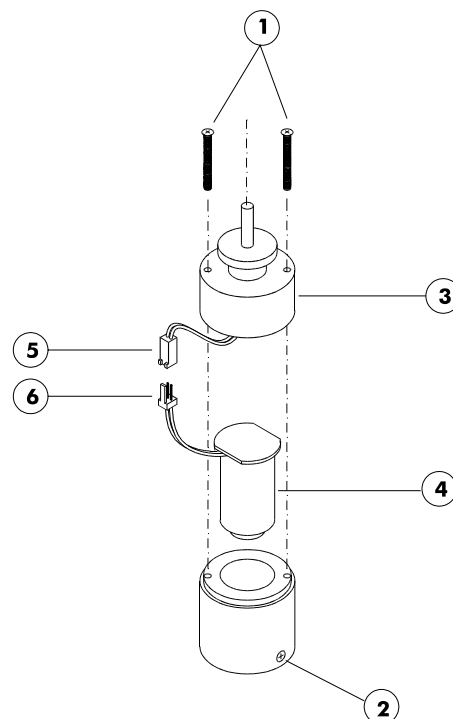
O2 Sensor replacement

The O2 sensor (4) is a unique galvanic cell. Although attractive product benefits include longer life and long shelf life, galvanic sensors appear to lose efficiency in case of prolonged shelf life, it is then advisable not to keep in storage a number of pieces far exceeding those necessary.

The life time of GINEVRI O2 sensor can be specified by %-hours [Oxygen concentration (%) x Time (hours)]: 900,000 – hours.

This fact mean that the expected life time in ambient conditions (21% O2 at 20 °C) is 5 years.

To replace the sensor (P/N 10267A73) loosen both the screws on the probe cap (1) and the screw that secure the sensor probe (2), disconnect both the connectors (5) (6), remove the sensor and replace it with a new one.



6.3 ALARM DEVICES

6.3.1 Power Failure Alarm

The power failure audio-visual alarm (21) will sound when the power supply is interrupted.

Check the power failure alarm for proper operation before using the incubator. Remove the power cord from the wall outlet, the buzzer should sound.

This alarm cannot be muted until the alarm condition is corrected. In this case is necessary to reset the system setting the incubator Power switch to off before proceeding.

6.3.2 Fan Block Alarm

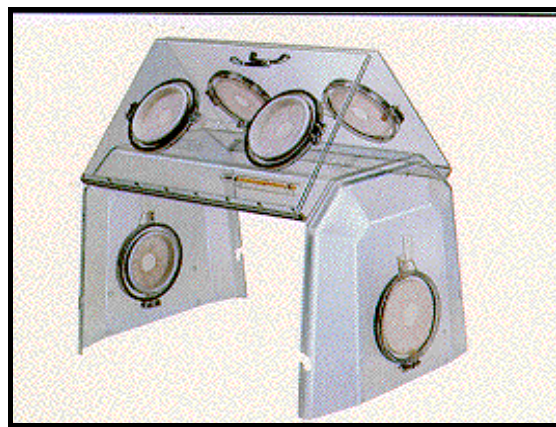
If the fan assembly is faulty the audio-visual alarm (20) activates indicating the fan-block.

This alarm cannot be muted until the alarm condition is corrected. In this case is necessary to reset the system setting the incubator Power switch to off before proceeding.

6.4 HOOD ASSEMBLY

The hood is made of one-piece injection moulded polycarbonate. Lexan (Polycarbonate) is more performing than traditional Acrylic Plexiglas and it has the following features:

- UNBREAKABLE;
- MOULDED IN A SINGLE PIECE WITHOUT JUNCTIONS, for an easy and absolute sterilisation;
- ATHERMIC: it does not disperse heat and guarantees against contact burns;
- SILENT: it guarantees minimum noise inside the incubator (less than 45 dB);
- FIRE RETARDING;
- HIGH TEMPERATURE RESISTANT (150°C);
- CHEMICALS PROOF;
- NON-TOXIC.



OGB Poly Care 3 Incubator outperform in every aspect the traditional incubator Acrylic/Plexiglas hoods.

This means also:

- Improved internal visibility;
- Easy cleaning and sterilisation;
- No image distortion;
- Unequalled Width.

The incubator hood is provided with 2 doors, 6 portholes and tubing access ports. The two doors can be opened upwards at the same time to allow easy and immediate care team access from both side.

WARNING

Closing the doors, check that the bottom side of the door is inserted in the base slot.

The six portholes with sleeves allow access to patient without altering the microclimate.

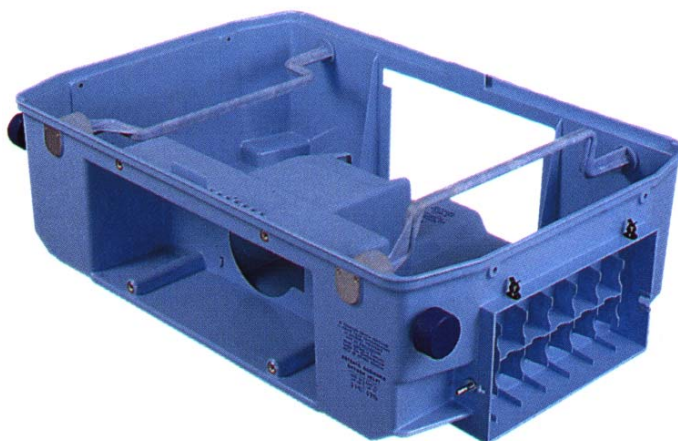
The "slide out" type hinges allow easy cleaning and absolute sterilisation.

6.5 BASE

The base is made of polycarbonate injection moulded in one-piece, with smooth edges.

The assembly allows easy cleaning and maintenance.

The base consists of patient bed tray, micro-filter assembly, humidity reservoir, oxygen inlets.



6.6 AIR CIRCULATING SYSTEM

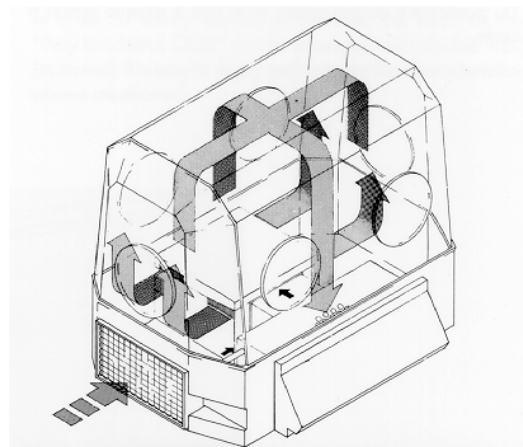
The forced air circulating system (36 liters per minutes)¹ provides a constant interchange of air. The external air, oxygen enriched, if necessary, enters the incubator through a high efficiency micro-filter, is directed by a fan through the heating chamber, being driven over humidification chamber with manual external adjustment flows through the patient tray vents and enters the hood without generating harmful turbulence around the newborn.

The slight "Venturi effect" which is created along the four sides of the hood towards the centre, guarantees the quiet and uniform distribution of microclimate around the patient and the elimination of the CO₂.

WARNING

Proper temperature control depends on continuous, unobstructed air circulation.

Do not cover air circulation vents around the bed as obstruction will result in less efficient air circulation and increased CO₂ level.



6.7 OXYGEN INLETS

The **OGB Poly Care 3** is provided with two inlets for controlled administration of pure oxygen, respectively **31%** and **52%**, and both inlets are located on the air-filtering assembly.

WARNING

Rate of Flow	Oxygen Concentration
l.p.m. 1	22,7 %
l.p.m. 2	23,7 %
l.p.m. 3	25,1 %
l.p.m. 5	29 %
l.p.m. 6	29,7 %
l.p.m. 7	30,3 %
l.p.m. 8	31 %
l.p.m. 9	31,5 %
l.p.m. 10	31,5 %

Oxygen concentration higher than 52% could be dangerous for infants. They can increase the risk of retinopathy. Therefore, arterial blood gas monitoring is extremely important when oxygen enriched environment is necessary.

OXYGEN CONCENTRATION SHOULD BE CHECKED WITH AN OXYGEN ANALYSER AND A PULSE OXYMETER.

6.7.1 Oxygen Concentration Guide (31%)

With the flowmeter and the oxygen hose connected to the 31% inlet.

¹ Considering that:

- ♦ The maximum production of CO₂ by newborn placed in an incubator is 36ml/min.
- ♦ In relation to the ambient air, the concentration of CO₂ in the incubator cannot go above one per thousand 1‰
- ♦ It is evident that an incubator must guarantee a fresh-air flow of 36 lt./min. (36 ml/min=0.036 lt/min)

6.7.2 Oxygen Concentration Guide (52%)

With the flowmeter and the oxygen hose connected to the 52% inlet.

Rate of Flow	Oxygen Concentration
l.p.m. 5	31 %
l.p.m. 10	43,5 %
l.p.m. 15	43,5 %
l.p.m. 18	46 %
l.p.m. 20	51,5 %
l.p.m. 25	52 %
l.p.m. 30	52 %

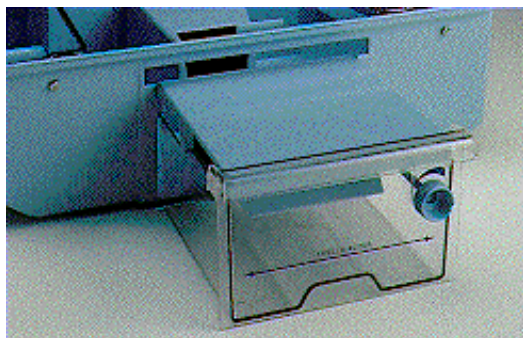
6.8 STANDARD HUMIDITY SYSTEM

The standard humidity system consists of a transparent polycarbonate tank, housed in Incubator Base rear side, allowing water level constant monitoring.

This system allows to adjust the RH level up to 90% turning clockwise the blue knob.

The water tank can be withdrawn from the base simply pressing the latches on the left and right side of the same. This allows the cleaning and sterilisation of the reservoir avoiding condensation and spores depositing.

It is possible to remove the reservoir when the patient is inside the incubator.



Fill the reservoir to the gauge line with sterile distilled water. When removing the reservoir, it is possible to remove also the humidity control system without using any special tools.

Since tubing, screws have been avoided, the humidifier can be easily disassembled for an absolute cleaning.

Condensation may form inside the hood at the higher humidity values settings. The amount of condensation will depend on the difference between room temperature and incubator temperature.

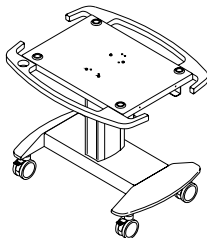
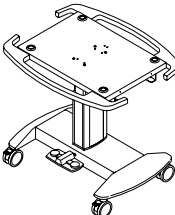
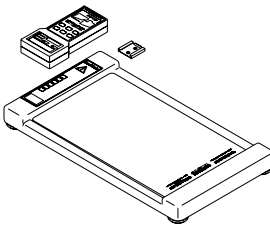
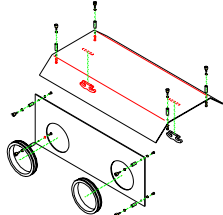

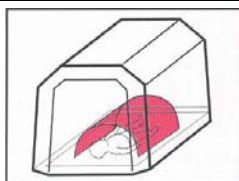
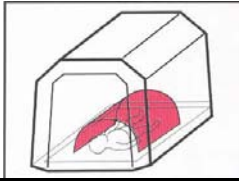

The humidity level should range from 50% to 65%. Microclimate hoods are suggested when a humidified, high temperature, oxygenated environment is considered necessary. We list below a table of ranges depending on three different knob positions: MINIMUM - MEDIUM - MAXIMUM.



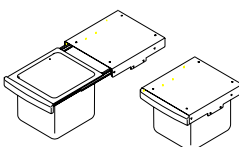
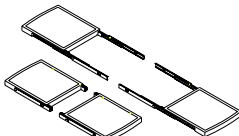
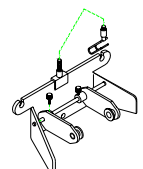
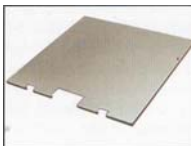

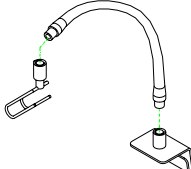
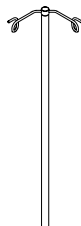
AMBIENT TEMPERATURE	ROOM HUMIDITY	INCUBATOR TEMP.	INCUBATOR HUMIDITY		
			Minimum	Medium	Maximum
24°C	52%	32°C	60/65	65/75	75/90
		35°C	53/63	63/73	73/83

6.9 PATIENT BED TRAY

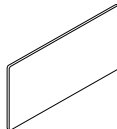
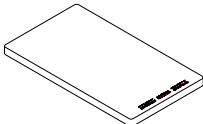

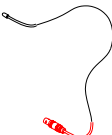
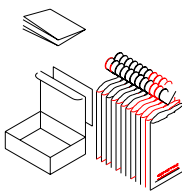

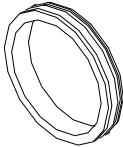


The baby's bed is polycarbonate made. **OGB Poly Care 3** is equipped with Smooth-Tilt, a new bed positioning system which allows the continuous and smooth adjustment of the posture bed in the Trendelenburg and Fowler positions turning the knobs placed on both the left and the right side.

7- ACCESSORIES

<i>Ref.</i>	<i>P/N-code</i>	<i>Description</i>	<i>Figure</i>
1	11400A70	TROLLEY WITH CENTRAL AXIS FIXED	
2	11410A70	TROLLEY WITH CENTRAL AXIS HEIGHT-ADJUSTABLE	
3	12030A70	BABY SCALE "BILLA"	
4	12085A70	DOUBLE WALL HOOD WITH OVAL PORT HOLES	
5	7533	HOT SPOT	
6	559	MICROCLIMATIC HEAD BOX 30 X 20 X 13 CM	
7	589	MICROCLIMATIC HEAD BOX 35 X 25 X 15 CM	
8	1521	I.V. POLE COMPLEX	

9	6922	I.V. POLE STANDARD	
10	722	POSTURE COT	
11	11401A70	DRAWER	
12	11405A70	RETRACTABLE SHELF	
13	7647	BABY HEAD IMMOBILIZER WITH VENTILATED HOSE HOLDER	
14	1693	X-RAY FILM PLATE	
15	5740	PIVOTING SHELF	
16	10712A70	VENTILATOR HOSE HOLDER	
17	634A70	AUCTION FLEBO	

8- CONSUMABLES

Ref.	Code	Description/Image		Quantity
1	11130A72	AIR FILTER		Pack of 12
2	434	MATTRESS		Heach
3	11725A73	SLEEVE		Pack of 12
4	11461A72	THERMOMETRICAL PROBE		Heach
5	565	REFLECTORS GEL REFLECT		Pack of 24
6	1711A	DETERGENT REBRIL (Pack of 2 Kg.)		Heach
7	11721A73	RUBBER SEAL FOR DOORS WITH OVAL PORTHOLES		Pack of 6
8	12029A73	RUBBER SEAL FOR THE HOOD (ROUND OLES)		Pack of 6
9	10267A73	OXYGEN SENSOR		Heach

9- ROUTINE MAINTENANCE**9.1 MICROFILTER**

The microfilter should be replaced every 4 months.

The filter should be replaced for every new patient.

To replace the microfilter, pull out the lid, remove the microfilter and put the new one inside.

9.2 CLEANING AND STERILISATION

All the components of the **OGB Poly Care 3** can be easily disassembled, without additional tools, for cleaning and maintenance.

GINEVRI cleaning detergent (p/n 1711) may be used for cleaning of any component.

The special alkaline and soluble solution avoids calcareous depositing.

It does not corrode metals and plastic materials.

The special detergent substance is not harmful for the operator.

Don't use abrasive or highly alkaline cleaners.

Never scrape the sheet with squeegees, razor blades or other sharp instruments.

Don't clean the incubator when it is still hot.

9.3 DISASSEMBLY

Open front door and lift out the bed tray.

The hood can be removed from the incubator body loosening the retaining screws which hold the bed spacers.

Remove the bed spacers from the hood and remove the hood from the body by lifting it up.

Place the hood on a flat surface.

9.4 DUSTING

Dust the hood with a clean and soft cloth or paper towel.

9.5 WASHING

After removing all solid wastes and contaminants from the disassembled parts, use a disinfectant-detergent and hot water to thoroughly clean all surfaces with a clean soft cloth, sponge or paper towel. Make sure to clean all holes, baffles, access doors, hand doors etc.

The base, the hood, the water tank, the bed tray, the baffles etc. can be autoclaved (Max 100°C) since they are made of polycarbonate.

9.6 DRYING

Dry the washed surfaces using a clean damp cloth.

Do not use a dry or rough cloth not to scratch the surfaces.

9.7 HEATING UNIT

Disconnect the power supply from the heating unit before cleaning.

Remove the heating unit loosening the 4 nuts. The front panel can be cleaned with a damp cloth and cleaning agent.

The heating element can be dipped in a liquid sterilisation agent. Care must be taken to prevent liquids from coming in contact with electrical parts of the unit.

10 - WASHING**REBRIL**

Soluble detergent to thoroughly clean and disinfect electromedical equipment and components (p/n 1711).

- It is a cleaning powder, slightly alkaline, easily soluble in water.
- Composition: Active Chlorine 2,4 g., Silicates-Carbonates-Polyphosphates 96 g., Sodium Alkyl Sulfates 1,8 g.
- It is provided with D.L.G. Quality Mark and complies with cleaning and disinfecting precautions for various application and in the food industry.
- It combines a double action both detergent and chlorine active.
- It does not corrode metals, plastic materials and rubber.
- The solution is not harmful for the operator.
- It softens the water and prevents calcareous deposits on the treated surfaces or components.

CLEANING INSTRUCTIONS

- Dissolve the required quantity of powder in enough water (Ratio: 50 gr./10 Lt). Water temperature should be not higher than 25 °C.
- After removing all solid wastes and contaminants disassemble all the parts that are meant to be cleaned.
- Wash them with cold water first.
- Thoroughly clean all the parts and surfaces using the disinfecting solution previously obtained and by means of a clean soft cloth, sponge or paper towel . The more cleaning will be accurate, the more the double action of the disinfectant will be effective.
- Thoroughly rinse all the parts with cold water.
- Dry with a soft cloth

WARNING**OTHER CLEANSERS MAY BE USED.**

BE AWARE THAT THE USE OF ABRASIVE OR HIGHLY ALKALINE CLEANERS OR SOLUTIONS CONTAINING SURFACE-ACTIVE AGENTS, CHLOROXEDIN, LAURIL OXIDE OR SIMILAR CLEANERS NORMALLY USED FOR HAND DISINFECTION MAY PERMANENTLY DAMAGE POLYCARBONATE (LEXAN) SURFACES AND EVENTUALLY BE TOXIC FOR THE PATIENTS.

IT IS ADVISABLE TO USE ONLY CLEANSERS COMPATIBLE WITH POLYCARBONATE (LEXAN).

11 - TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	REMEDY
<ul style="list-style-type: none"> - No power , POWER FAILURE Alarm is not activated. - POWER FAILURE alarm activated. 	<ul style="list-style-type: none"> - POWER switch not on. - Fuse failure. - Power cord unplugged. 	<ul style="list-style-type: none"> - Depress POWER switch . - Replace fuse. - Verify power cord is correctly plugged in. - Re-connect the power cord.
<ul style="list-style-type: none"> - MAX TEMP activated. 	<ul style="list-style-type: none"> - External source of heating. 	<ul style="list-style-type: none"> - Eliminate external source of heating
<ul style="list-style-type: none"> - FAN FAILURE activated. 	<ul style="list-style-type: none"> - Dirty fan failure sensor. - Obstructed air circulation system. - Fan motor failure. 	<ul style="list-style-type: none"> - Clean the sensor with a soft cloth. - Remove obstruction. - Replace fan a/or motor.
<ul style="list-style-type: none"> - LOW TEMP alarm activated. 	<ul style="list-style-type: none"> - Door(s) left open. - Skin probe not properly secured to skin (Skin Mode operation only). 	<ul style="list-style-type: none"> - Close all doors. - Check Skin Probe positioning.
<ul style="list-style-type: none"> - SKIN PROBE alarm activated. 	<ul style="list-style-type: none"> - Skin probe plug not properly connected. - Probes unit plug not properly connected 	<ul style="list-style-type: none"> - Verify skin probe plug connection. - Verify probe plug connection.
<ul style="list-style-type: none"> - MAX ALARM + AIR PROBE + SKIN PROBE + HUM PROBE alrms activated simultaneously. 	<ul style="list-style-type: none"> - Tubing not properly installed. 	<ul style="list-style-type: none"> - Check installation.
<ul style="list-style-type: none"> - Low % humidity. 	<ul style="list-style-type: none"> - Low level of water in the water tank. 	<ul style="list-style-type: none"> - Check water level.
<ul style="list-style-type: none"> - Low % oxygen. 	<ul style="list-style-type: none"> - Oxygen probe plug not properly connected. 	<ul style="list-style-type: none"> - Verify probe plug connection.
<ul style="list-style-type: none"> - OXYEN PROBE. 	<ul style="list-style-type: none"> - Oxygen sensor exhausted. 	<ul style="list-style-type: none"> - Replace the oxygen sensor.

WARNING

Withdraw the control panel from the base carefully when the heating unit may be still hot. Avoid removing it or touching the heater until the unit has been switched off for at least 30 minutes.

12 - TECHNICAL DATA SHEET

- BODY	One piece injection moulded polycarbonate
- POWER SOURCE	220V 50/60 HZ
- POWER CONSUMPTION	440W (540W With Hot Spot)
- SAFETY CLASS (IEC 601.1/CEI 62.5)	1 st
- CATEGORY (IEC 601.1/CEI 62.5)	B
- MEDICAL DEVICE (93/42/CEE) CLASS	II B
- GROUND LEAKAGE CURRENT	50 µA
- PROTECTION	2 Fuses 5x20 mm 2 Amp F (3.15Amp F)
- POWER FAILURE ALARM	Included
- POWER FAILURE ALARM BATTERY	Included
- AIR TEMPERATURE INDICATOR	0.1°C Resolution, 0.6°C Max Error
- SKIN TEMPERATURE INDICATOR	0.1°C Resolution, 0.3°C Max Error
- O2 CONCENTRATION INDICATOR	1% RES
- O2 CONC. HIGH/LOW ALARM INDICATOR	1% RES
- RH INDICATOR	1% RES, 10% MAX ERROR
- AUTOMATIC TEMP. ADJUSTMENT WITH PROPORTIONAL HEATING	20°C to 38°C AIR, from 25°C to 38°C
- MAX TEMPERATURE ALARM	Audio-visual alarm stops heating Automatically at 38°C or 39°C
- HUMIDITY CONTROL	50% to 90%
- IDEAL ROOM TEMPERATURE	21°C to 26°C
- HUMIDITY RANGE OF THE ENVIRONM.	35% to 90%
- STORING TEMPERATURE	-10°C TO +50°C
- NOISE LEVEL INSIDE THE HOOD	Lower than 45 – 47dB
- VENTILATION	36 Lt. Minute multi-direction
- MAXIMUM CO2 CONCENTRATION (MEASURED UNDER IEC 6012 – 19 TEST CONDITIONS)	<0.5%
- MAX WEIGHT FOR THE BED TRAY	10 Kg.
- DIMENSION:	
- INCUBATOR	83x59x68 Cm
- CABINET	62x80x67 cm
- WEIGHT :	
- INCUBATOR	32 kg
- OPEN CABINET	37 kg
- CLOSED CABINET	45 kg
- ADJUSTABLE HEIGHT CABINET	51 kg

13 - OGB POLY CARE 3 COMPLIES WITH THE FOLLOWING REGULATIONS

IEC	601.1	(CEI 62.5)
IEC	601.2.19	
EN	55011	
EN	61000-4-2	
EN	61000-4-3	
EN	61000-4-4	
EN	61000-4-5	
EN	61000-4-11	

MEDICAL DEVICE 93/42/CEE CLASS IIb



UNI EN ISO 9000:2000 – CERTIFIED QUALITY
SYSTEM BY IQNET – No. CERT –IT-37100
UNI CEI ISO 13485 – PARTICULAR
REQUIREMENTS FOR MEDICAL DEVICES

**14 - ECO-COMPATIBLE RECALL and DISPOSAL**

The apparatus OGB POLY CARE is an electro-medical device and therefore does not come under the scope of the RoHs Directive.

Conforming to the Directive 2002/96/CE, known as the RAEE Directive, and to the implemented Italian legislation, our electronic and electrical apparatus are marked with the symbol shown below, provided for by the CEI EN 50419 Standard.

This apparatus must not be disposed of with domestic rubbish/garbage.

For RECALL of rejected equipment, please contact our Customer Assistance Dept (see the first pages of this manual). The apparatus, at the end of its useful life, must be disposed of according to the Standards in force at that time.

