

# USER'S MANUAL

## INFRARED LAMP IRG

**Dear customer,**

We congratulate you on your purchase of a **VERRE & QUARTZ** lamp, which will bring you a full satisfaction. To ensure a good use, we recommend you to read carefully the following installation and use principles.

### Precautions of use / Safety of use

---

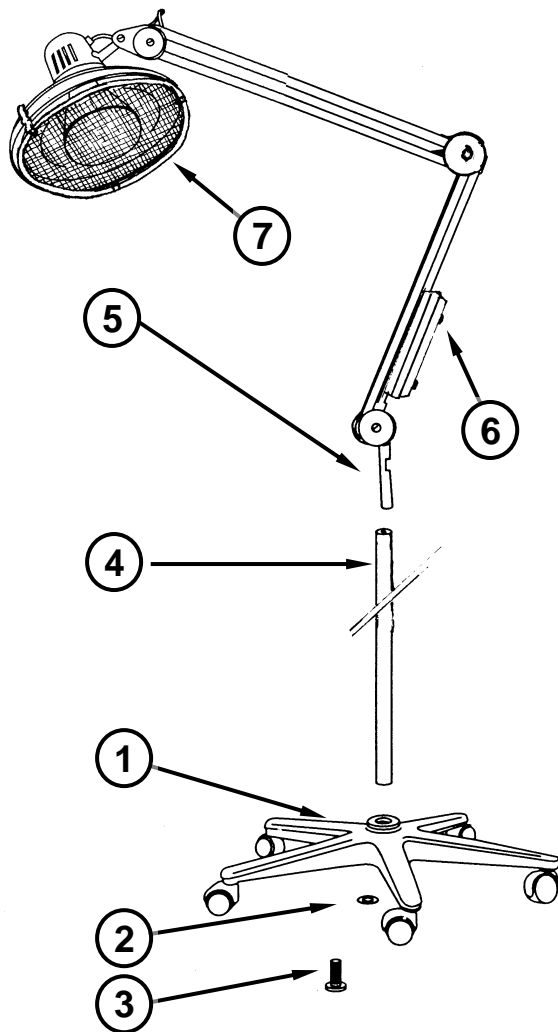
- The IR\* lamp has been designed to be used only under medical control
- Make sure that the person is not insensitive to heat.
- Check the stability of the IR lamp before using it.
- During a long period of use, there is an increase of temperature of the lamp head.
- Make sure that all the lamp parts have cooled down before any technical intervention.
- Never use inflammable products near the lamp (ether...).
- The usual precautions for electromedical devices must be respected :
  - Do not use the device in a room with a high humidity rate.
  - Do not place or store the device where it could fall into a water container (bath, sink...).
  - Disconnect the plug before cleaning the device or before any service operation (fuse replacement...).
  - When necessary replace fuses with fuses of the same type.
- Keep this manual, because it contains informations necessary for a good use of the IR lamp.
- Only the person who has fully read the manual and understood it are authorized to handle and use the IR lamp.

### Purpose of device

---

This medical device is intended for physiotherapy. It emits infrared rays giving a gentle heat, used additionally to the physiotherapy treatment to bring a complementary comfort and antalgic effect.

IR\* lamp = infrared lamp



## Assembly & installation

The lamp is equipped with a rolling stand.  
 Put the tube (4) in the rolling stand (1).  
 Put the washer (2) and tighten with the screw (3).  
 Insert the lamp head support (5) on the tube (4).

To fit a wall bracket, fix the bracket on the wall and insert the lamp in its hole .

## Operation

Take off the protective grid (7).  
 Screw the bulb in the socket.  
 Replace the grid. Position it at the first wave, the fixing ties at the outside of the parabola. The grid touch the bulb without exerting excess pressure. -  
 Connect the supply cable on a 230Vac 50Hz plug (10/16A).  
 The O/I switch (6) enables to switch the lamp on or off.




## Technical features

Model	<b>IRG</b>
Power	250W +/- 10%
Voltage	230Vac 50/60Hz
Electric power	Fuses 2X2.5A
Classification and Electric type	Class I, type B
Maximal temperature of device	60°C at the top of lamp head 45°C on the protection grid
Environment conditions	Ambient temperature for operation : from 0°C to +40°C Humidity relative : from 30% to 75%
Weight	Lamp head and arm: 3kg, rolling stand: 4kg, total: 7kg
Height	From 70 cm to 170 cm
Radius	110 cm
Protection index	IPX0 : unprotected against water projections
Standards and norms	EN 60-601-1 : Electromedical device safety, EN 60-601-1-2 : Electromagnetic compatibility of the Electromedical device, Complies with the CEE 93/42 device.

### Materials in direct or indirect contact with the patient or the user:

Parabola	Aluminum
Protection grid, handle	Metallic wire (chromium)
Tube	Stainless steel
Rolling stand	PVC
Articulated arm	Epoxy paint
Bulb	Glass

### Symbols and abbreviations / Markings on the device

W	Watt		Volt alternating current	IPX0	Not protected against water projections
Hz	Hertz	O	OFF	I	ON
	Consult the enclosed documents	Nr : 00020201	Serial number		In compliance with the CEE 93/42 directive

Upon request, we hold to you disposal the electrical diagrams, the parts list, the descriptions or any other information useful to technical personnel qualified to repair parts of the device considered as repairable by the manufacturer.

## Service and Maintenance

---

Accordingly to the EN 60-601-1 (Annex A §6.8.2.b), « the manufacturer, the assembler, the installer or the importer considers himself as responsible for the effects of safety, reliability and apparatus feature only if:

- The assembly, extensions, adjustments, modifications or repairs have been carried out by authorized people, and
- The electrical installation of the place is in accordance with regulations, and
  - The apparatus is used in accordance with the instructions of use. »

The use of spare parts not in accordance with the instructions of the manufacturer clears his responsibility in case of incident.

### **Cleaning and disinfection.**

Use a cleaning/disinfecting solution (with the hydroalcoholic base) bearing the CE mark medical devices. Carefully follow the precautions of use from the manufacturer.

### **Bulb replacement**

The bulb is a wearing part. It is recommended to replace it around 1000h of use.

Remove the protection grid by opening the three fixing ties..

Unscrew the bulb from the porcelain socket at center of the parabola.

Proceed the opposite way to place the new bulb after having checked the good state of the components (cables, connections, fixings...).

### **Operation incidents**

The lamp does not switch on, even though the switch is on I	<ol style="list-style-type: none"> <li>1. Check the supply connections</li> <li>2. Change the fuses</li> <li>3. Change the bulb</li> <li>4. Call After-Sales service</li> </ol>
protection grid does not hold firmly	<ol style="list-style-type: none"> <li>1. Tighten the clips a little more on parabola</li> </ol>

### **Discard of the device.**

On life end of the device or its accessories, use the appropriate channels to discard them.

### **Verre et Quartz Technologies**

Espace Vinci  
 24 rue Graham Bell  
 77600 BUSSY SAINT GEORGES  
 France  
 Phone : 33 (0)1 64 66 20 33  
 Fax : 33 (0)1 64 77 58 97  
 Internet : [www.verre-et-quartz.com](http://www.verre-et-quartz.com)

