



USER'S MANUAL

INFRARED LAMP

4003/1N – 4003/2N

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.

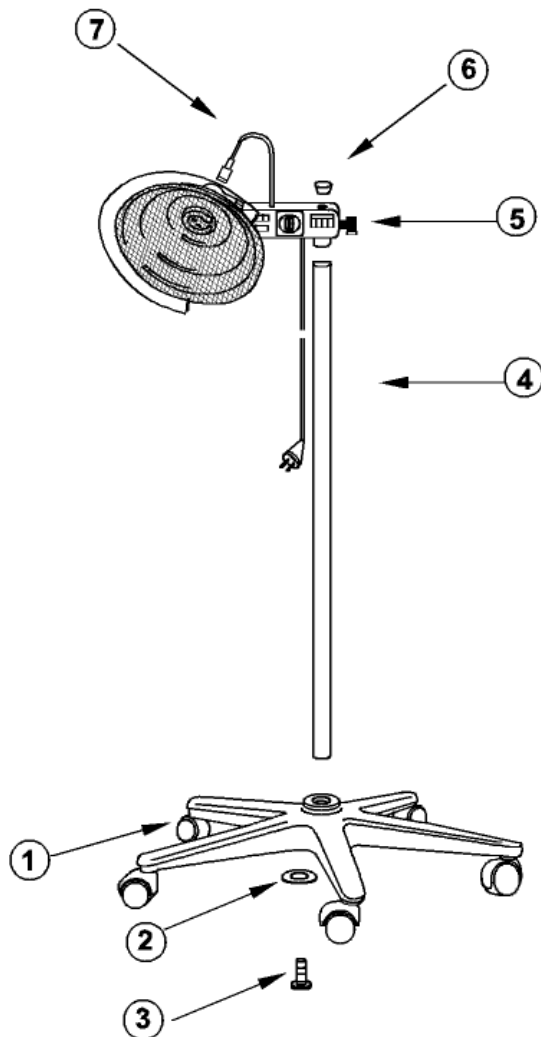
Precautions of use / Safety of use

- The IR* lamp has been designed to be used only under medical control
- Make sure that the person is not insensitive to heat.
- Use only the handle to modify the angle of incidence or to move the lamp.
- Check the stability of the IR 4003 lamp before using it.
- During a long period of use, there is an increase of temperature of the lamp head (until 95°C).
- 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 4003 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



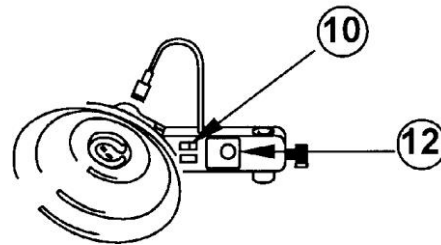
Assembly & installation

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).
 Place it to the right height and tighten with the handle. Place the plastic cap (6) above the tube (4).

Connect the supply cable (8) of the lamp head on the parabola.
 Place the protection grid (9) on the parabola and tighten firmly the 3 clips on the edge of the parabola. Make sure the grid holds firmly. If not, tighten the clips a little more.

Operation

- Connect the supply cable on a 230Vac 50Hz plug (10/16A).
- The O/I switch (10) enables to switch the lamp on or off
- Adjust the time of use by using the timer (12) for model 4003/2N.



model 4003/2N








Technical features

Model	4003/1N	4003/2N
Power	400W +/- 10%	400W +/- 10%
Voltage	230Vac 50/60Hz	230Vac 50/60Hz
Electric power	Fuses 2X3.5A	Fuses 2X3.5A
Time of use adjustment	No	From 0 to 60 minutes
Classification and Electric type	Class I, type B	
Maximal temperature of device	95°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: 3kg, rolling stand: 4kg, total: 7kg	
Height	From 70 cm to 170 cm	
Radius	70 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
Handle, rolling stand	PVC
Lamp head	Epoxy paint
Circline	Quartz

Symbols and abbreviations / Markings on the device

W	Watt		Volt alternating current	IPX0	Not protected against water projections
Hz	Hertz		OFF		ON
	Consult the enclosed documents		Apparatus type B		Caution: high Temperature
	In compliance with the CEE 93/42 directive	Nr : 99020201	Serial number		

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.

Circline (burner) replacement.

Remove the protection grid opening the fixing clips.

Remove the bolt on the burner to reach the burner.

Unscrew the screws on the porcelain socket on the burner's side.

Remove the 3 staples holding the burner on the plate.

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

Operation incidents

The lamp does not switch on, even though the switch (7) is on I	<ol style="list-style-type: none"> 1. Check the supply connections 2. Check the timer (9) 3. Change the fuses 4. Change the burner (circline) 5. Call After-Sales service
The lamp does not give the power wished	<ol style="list-style-type: none"> 1. Change the burner (circline)
The protection grid does not hold firmly	<ol style="list-style-type: none"> 1. Tighten the clips a little more

Discard of the device.

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

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