Warm and comfortable is now even better.

5. TECHNICAL SPECIFICATIONS

This equipment is intended for indoor use and will meet its performance figures within the ambient temperature range of 68°F (20°C) to 95°F (35°C), with maximum relative humidity of 80% (non-condensing). Installation Category II (transient voltages). Pollution Degree 2, in accordance with EN 60664-1. Suitable for operation at altitudes of up to 6,500 feet.

Specifications:

Supply Voltage Range:	120V~ +/- 10%, 50/60 Hz 230V~ +/- 10%, 50/60 Hz (CE version)
Power Rating:	Model 83-20: 36W, 0.30A Model 83-20-20: 36W, 0.16A
Temperature Tolerance:	Heating Well ± 2°C

6. MAINTENANCE AND SERVICE

No routine maintenance is required and there are no user-serviceable parts.

6.1 CLEANING

Disconnect the Gel Warmer from the electrical outlet prior to cleaning. Allow the unit to cool. The Gel Warmer may be cleaned by using a soft, damp cloth and mild detergent or hospital grade disinfectant, such as Protex® Ultra Disinfectant Wipes. Do not allow the electronic controls to get wet. Do not use an abrasive cleaner or isopropyl alcohol to clean the Gel Warmer. Do not submerge or immerse the Gel Warmer in water.

7. WARRANTY

The Thermasonic Gel Warmer has a two-year Limited Warranty from date of purchase. **DO NOT attempt to service your Thermasonic Gel Warmer**. Any evidence of the unit being disassembled, tampered with, or misused will void the warranty. Contact Parker Laboratories, Inc. with any service or warranty questions through email: parker@parkerlabs.com

NOTE: Product must be registered online at time of purchase.
Please register your model at:
www.parkerlabs.com/register/thermasonic

8. FREQUENTLY ASKED QUESTIONS

This instruction manual contains the answers to most questions about the use and care of your Thermasonic Gel Warmer. You may also find answers to some of the most frequently asked questions by visiting:

www.parkerlabs.com/thermasonic

-Declaration of Conformity

Certification: Parker Laboratories, Inc. certifies this instrument was inspected and tested thoroughly and met its published specifications when shipped.

Manufacturer's Name: Parker Laboratories, Inc.
Manufacturer's Address: 286 Eldridge Road, Fairfield, NJ 07004 USA

Declares that the product listed conforms to the requirements of the following European and UK Directives:
Name: THERMASONIC® Gel Warmer
Model: 83-20, 83-20-20

Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
Conforming to the following standards:

- **BS EN 60335-1:2012/A16:2023**
- **BS EN 60335-2-15:2016/A12:2021**
- **BS EN 55014-1:2021**
- **BS EN 55014-2:2021**
- **BS EN IEC 61000-3-2:2019+A1:2021+A2:2024**
- **BS EN 61000-3-3:2013+A1:2019+A2:2021**
- **EN 60335-1:2012/A16:2023**
- **EN 60335-2-15:2016/A12:2021**
- **EN 55014-1:2021**
- **EN 55014-2:2021**
- **EN IEC 61000-3-2:2019+A1:2021+A2:2024**
- **EN 61000-3-3:2013+A1:2019+A2:2021**
- **EN 62233:2008**
- **EN IEC 60664-1:2020**

UK CA CE

PARKER

Parker Laboratories, Inc.
www.parkerlabs.com



THERMASONIC® GEL WARMER
Warming Up Ultrasound

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® Microtemp is a registered trademark of Emerson Electric Co.

PM-082-0005E

the Thermasonic® Gel Warmer

Warm and comfortable is now even better.

Operating Instructions

For Model: 83-20 (120V)
For Model: 83-20-20 (230V)



1. IMPORTANT SAFEGUARDS

This symbol ⚠ when indicated on the equipment means: CAUTION
Read these operating instructions fully before use and pay particular attention to sections containing this symbol.

Always observe the following safety precautions:

1. READ THESE INSTRUCTIONS.
2. **CAUTION:** To provide continued protection against risk of electric shock, connect to properly grounded outlets only.
3. Do not immerse in water.
4. Unplug from outlet prior to cleaning. Allow unit to cool before cleaning the appliance.
5. Do not operate any appliance with a damaged cord or plug or after a malfunction, or has been damaged in any manner. Return unit to an authorized service facility for examination, repair or adjustment.
6. Do not use outdoors.
7. Do not use appliance for anything other than intended use.
8. The use of attachments not recommended by the manufacturer may result in fire, electric shock or injury to persons.
9. SAVE THESE INSTRUCTIONS.

1. PRÉCAUTIONS IMPORTANTES

Ce symbole, ⚠ lorsque présent sur l'équipement, signifie: MISE EN GARDE
Lisez entièrement ces directives de fonctionnement avant d'utiliser; porter une attention particulière aux sections contenant ce symbole.

Toujours respecter les mesures de sécurité préventives :

1. LIRE CES DIRECTIVES.
2. **MISE EN GARDE :** Pour assurer une protection soutenue contre le risque de choc électrique, brancher à des prises correctement mises à la terre uniquement.
3. Ne pas immerger dans l'eau.
4. Veuillez débrancher l'appareil avant son nettoyage. Laisser refroidir l'appareil avant son nettoyage.
5. Ne pas faire fonctionne un appareil dont le cordon ou la prise sont endommagés ou après un problème de fonctionnement ou l'occurrence d'un quelconque dommage. Renvoyer l'unité à un établissement de service autorisé qui pourra effectuer la vérification, la réparation ou le réglage.
6. Ne pas utiliser à l'extérieur.
7. Ne pas utiliser l'appareil à d'autres fins que celles prévues.
8. L'utilisation d'accessoires non recommandés par le fabricant peut causer un incendie, un choc électrique ou des blessures.
9. CONVERSER CES DIRECTIVES.

Warm and comfortable is now even better.

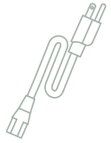
2. INCLUDED IN PACKAGE



Thermasonic Gel Warmer



Operating Instructions


*Power Cord- IEC320/C14 Compatible (230V units supplied with European plug CE 7/7)


Screws and Wall Anchors

3. ASSEMBLY

3.1 INSTALLATION


Figure 1

The Thermasonic Gel Warmer should be placed away from drafts, in an upright position on a flat, stable surface. Do not lay the unit flat on any side. The unit may also be wall-mounted. See section 3.2 for wall mounting instructions. Plug female end of power cord into IEC320/C14 receptacle **(see Figure 1)** and male end into an appropriate electrical outlet matching the voltage listed on the electrical information label on the back of the Gel Warmer.

***NOTE:** UK power cord with a BS-1363 plug (Part #: UKCORD) is available in the United Kingdom, as an accessory from your distributor.

3.2 WALL-MOUNTING

The Thermasonic Gel Warmer can be mounted on a wall with the use of the supplied screws and wall anchors. Follow these steps to wall mount.

1. Once wall-mount location has been identified, make two marks on the wall 1.75 inches (4.45 cm) apart. When making your marks, use a level to assure the Gel Warmer will appear straight when mounted.
2. If mounting into wood, install screws and allow 0.1" (2.5mm) clearance between the wall and the screw head. If mounting into drywall, the use of wall anchors is necessary.

⚠ **CAUTION:** Never drill or install screws in a wall with wires or plumbing running through it.

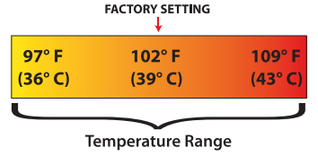
⚠ **MISE EN GARDE :** Ne jamais percer ou poser des vis dans un mur à travers lequel des fils électriques où de la plomberie circulent.

3. Carefully position the Gel Warmer so the large round wells (**see Figure 2**) on the back of the unit will pass over the screw heads.
4. Press the Gel Warmer against the wall and slide downward, trapping the screw head in the grooves just above the wells.


Figure 2

4. OPERATION

4.1 SETTING THE OPERATING TEMPERATURE



The Gel Warmer operates within a temperature range and can be adjusted in one degree increments from 97° F to 109° F (36° C to 43° C).

⚠ ***CAUTION:** Temperature can vary. Always test a small quantity of gel before applying.*

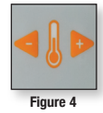
⚠ ***MISE EN GARDE :** La température peut varier. Toujours effectuer un test à l'aide d'une petite quantité de gel avant l'application.*

When plugged in for the first time, the digital display will indicate the current temperature and will begin warming to the factory-set temperature of 102° F (39° C) **(see Figure 3)**.



Figure 3

To adjust the temperature, press the arrow button with + symbol to increase temperature, or press the arrow button with – symbol to decrease temperature **(see Figure 4)**. Each time one of the arrow buttons is pressed, it will increase or decrease the temperature setting by one degree and flash the newly set temperature for five seconds. The unit will then return to displaying the current temperature.


Figure 4

To switch between Fahrenheit or Celsius on the temperature display, press both the **+** arrow button and **–** arrow button simultaneously.

When removed from a power source, the Gel Warmer will remember the last temperature setting used and maintain that setting when the unit is powered on again.

4.2 OPERATING THE PACKETTE GEL WARMER

This unit is designed to heat 20 single use packettes sized at 2.25" x 5.25" (5.7 cm x 13.3 cm), with each packette containing 20 grams of gel, with a total weight capacity of 400 grams. It will take approximately two hours for the unit to reach its set temperature, while the first packette (at bottom of the unit's well) will reach desired temperature in approximately one hour. Always check the warmth of the packette prior to applying gel to the patient's skin.

Leaving the cover closed at all times will help retain heat. Your Thermasonic Gel Warmer is designed for continuous operation, and it is not necessary to disconnect the warmer when not in use.

NOTE: Use of the Thermasonic Gel Warmer will not affect the performance or viscosity of Aquasonic® 100 or Aquasonic Clear® Single Use Packettes.

4.3 ERROR CODES

The Thermasonic Gel Warmer contains a temperature sensor to consistently monitor function and a Microtemp® thermal cutoff to protect against overheating.

If the temperature sensor is not operating at all, the digital display will indicate "E1". If a short circuit occurs, the digital display will indicate "E2". In either circumstance, the heater will not operate.