

# INSTRUCTIONS FOR OPERATION AND CARE OF

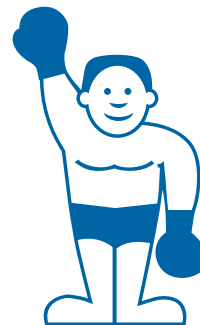
# Thermalator™

LITTLE

## Therm

Compact Thermalator

Model LT-4



**Whitehall Manufacturing®**  
Manufacturer of Healthcare and Rehabilitation Products since 1946

P.O. Box 3527 • City of Industry, CA, 91744-0527, U.S.A.

800-782-7706 • 626-968-6681 • [www.whitehallmfg.com](http://www.whitehallmfg.com)





**BEFORE CONNECTING,  
READ INSTRUCTIONS  
AVANT DE CONNECTER,  
LIRE LES INSTRUCTIONS**



FOR PROFESSIONAL USE ONLY

POUR USAGE PROFESSIONNEL SUELEMENT



**CAUTION**

Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "Hospital Only" or "Hospital Grade".

Medical Equipment:

With respect to electric shock, fire and mechanical hazards only in accordance with UL 60601-1 and CSA C22.2 No. 601.1



**ATTENTION**

La mise à terre ne fonctionne de façon efficace que si l'équipement est connecté à une prise marquée "Hopital Seulement" ou "Categorie Hopital".

Équipement Médical:

Concernant les risques de chocs électriques de feu et autres dangers mecaniques seulement conformément a UL 60601-1 et a CSA C22.2 No. 601.1



**DANGER**

Risk of explosion if used in the presence of flammable anesthetics



**DANGER**

Risque d' explosion si utilisé en présence d'anesthésiques inflammables



**WARNING**

- REPLACE fuse as marked
- Outer Surface is Hot
- AVOID Prolonged skin contact.
- AVOID resting objects on or against the tank.
- REMOVE all packaging, accessories and literature from inside of unit prior to using.
- PROPERLY GROUND your unit. Plug unit into a Ground Fault Circuit Interrupter (GFCI) receptacle for safety. Failure to properly ground unit can increase the risk of ELECTRICAL SHOCK HAZARD!
- For patient protection, periodically check the water temperature of this heating unit. The water temperature should not exceed 165°F (74°C). Use adequate toweling or terry cover, add extra towel layers if heat is too intense for patient. Do not use with balms or liniments on patients with poor circulation or sensitive skin nor with patients lying on heat pack.

Note: Infants and elderly patients require special care.



**AVERTISSEMENT**

- REMPLACER les fusibles tel qu' indiqué
- La surface extérieure est chaude
- ÉVITER tout contact prolongé avec la peau.
- ÉVITER de déposer des objets sur le reservoir ou de les appuyer contre celui-ci.
- RETIRER tout emballage, accessoire et feuillet se trouvant à l'intérieur de votre nouvel appareil avant de l'utiliser.
- EFFECTUER LA MISE À LA TERRE de votre appareil DE FAÇON APPROPRIÉE. Brancher l'appareil dans une prise à disjoncteur différentiel de fuite à la terre (DDFT), ce qui offre une protection au cas où l'eau et la paraffine entreraient en contact avec l'électricité. Si l'appareil n'est pas bien mis à la terre, cela augmente les RISQUES DE DÉCHARGES ÉLECTRIQUES !
- Afin de protéger le patient, vérifier régulièrement la température de l'eau decet appareil de chauffage. La température de l'eau ne doit pas dépasser 74 OC (165 OF) utiliser suffisamment de serviettes ou de tissus éponge. Ajouter des couches supplémentaires si la chaleur est trop intense pour le patient. Ne pas utiliser avec des baumes ou des liniments sur des patients ayant une mauvaise circulation ou une peau sensible. Ni sur un patient couché sur un dispositif chauffant.

Remarque: Les nourrissons et les patients âgés nécessitent des soins spéciaux.



Introduction ..... 2

Model Descriptions ..... 2

Operating Skills and Training ..... 3

Inspecting the Thermalator ..... 3

Setting Up ..... 3

Filling Your Unit ..... 4

Emptying Your Unit ..... 5

Using the Thermal Pack ..... 6-8

Using the Wire Rack ..... 8

Maintenance ..... 9

Cleaning and Sanitizing ..... 9

Storage ..... 9

Troubleshooting ..... 10

Repair of Unit ..... 10

Parts Diagram and Parts List ..... 11

Schematic and Accessories ..... 12



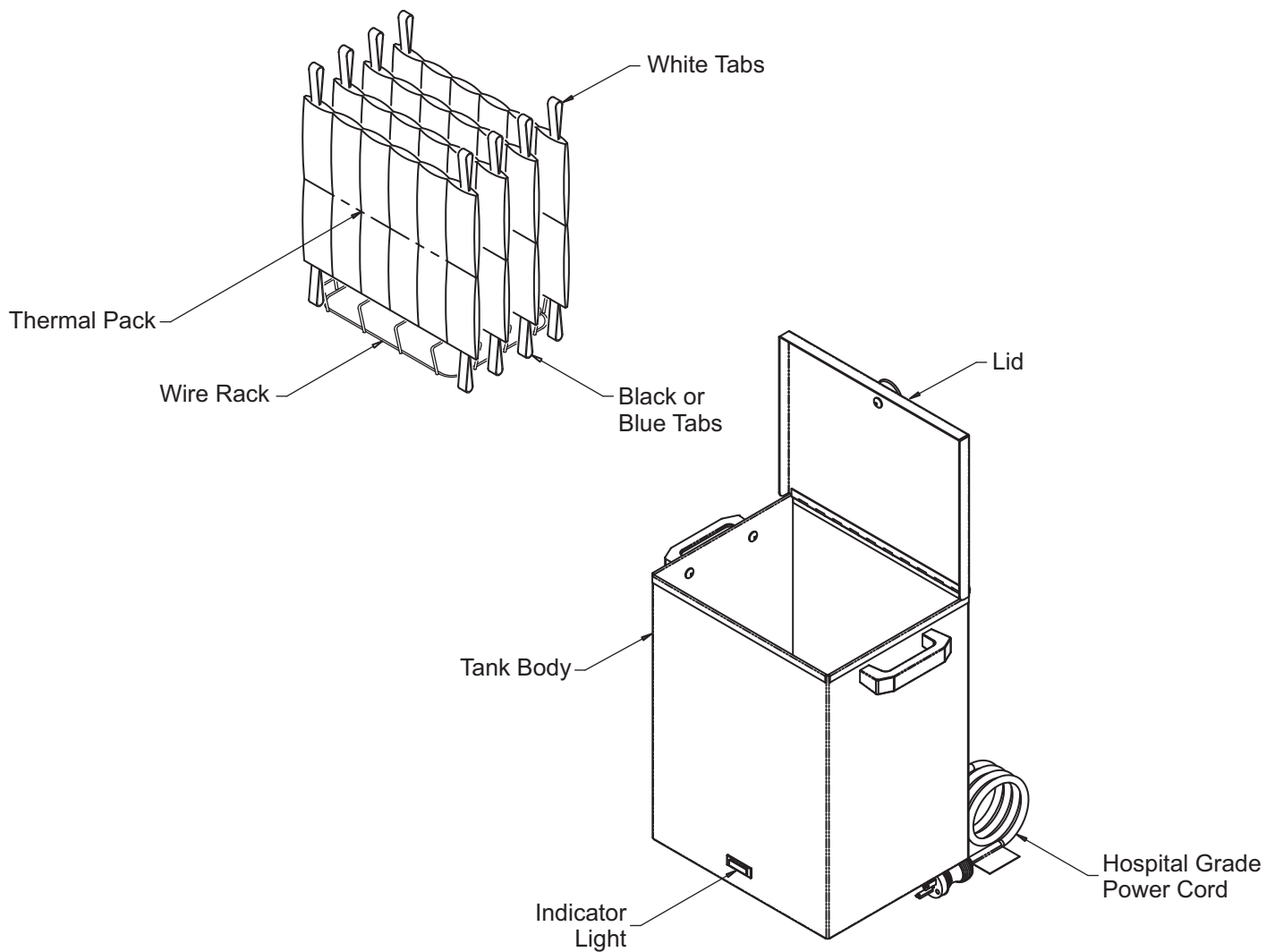
## Instructions for Operation and Care of Little Therm Compact Thermalator

**Congratulations** on receiving your compact Little Therm Thermalator.

Little Therm is a simple and trouble-free unit to operate. The tank body, bottom and lid are all made from type 304 stainless steel with a thermostat on the rear to control the water temperature. Unit should be set for 165° F for normal operating temperature.

Side handles and a knob on the lid minimize contact with the hot surface. The unit has Thermal Packs with colored tabs and an exposed heating element with a concealed temperature sensor.

Unit rating is 120V, 8.3A, 50/60 Hz.





## OPERATOR SKILLS AND TRAINING

### Skills:

Operators using the Thermalator need a working knowledge of occupational therapy procedures.

### WARNING

Only trained personnel to operate the Thermalator. Untrained operators can cause injury or be injured.

### TRAINING

Operator trainees need to:

- be trained in occupational therapy protocols.
- read and understand this manual.

## INSPECTING THE THERMALATOR

This Whitehall product has been carefully packaged at the factory to minimize the possibility of damage during shipping.

- Inspect the packaging for external signs of damage.
- Inspect the contents for damage.

If there is visible damage to the instrument upon receipt, inform the shipping company and Whitehall immediately.

### WARNING

Do not attempt to operate this equipment if there is evidence of shipping damage or you suspect the unit is damaged. Damaged equipment may present additional hazards to you. Contact Whitehall technical support for advice before attempting to plug in and operate damaged equipment.

### Inspection Checklist

- Is the Thermalator free of excessive wear?
- Is a properly-grounded and voltage-matched receptacle available?
- Is the outlet equipped with a functioning GFI?

## SETTING UP

### 1. Your new Thermalator includes the following:

- 1 Thermalator Model LT-4
- 4 Thermal Packs (4 Standard)
- 1 Wire Rack - Small, Vinyl Coated
- 1 Rack Adapter
- 1 Thermostat Knob
- 1 Warranty Registration Card
- 1 Instructions for Operation and Care

If you are missing anything, please call the phone number listed on the back page.

### 2. Unpacking your Thermalator

Remove all the shipping material. Remove Thermal Packs and wire rack from inside the tank. Remove all packaging from inside the tank, especially from under the heating element inside the tank. Clean the unit thoroughly before using.

### 3. Device Placement

Place the Thermalator at a convenient level, such as on a table or a scratch resistant counter top. Before moving the Thermalator, unplug and cool the unit. Only move the unit to empty or fill it. Always use the handles. The unit may be hot to the touch.

Avoid operating this unit in close proximity of materials subject to damage from moisture.

### 4. Pre-Soaking Thermal Packs

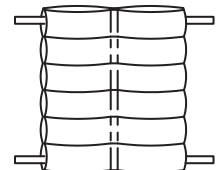
Presoak thermal packs (**Critical, if not presoaked properly, the tank may develop surface rust during use**). Inspect the packs for any tears and damaged or loose threads before starting the presoak process. If packs are damaged, do not use.

Before the first use, you must condition each Thermal Pack.

- 1- Take the Thermal Pack by the corner loops - one white and one blue or black - so the sections are horizontal.
- 2- Gently shake the pack back and forth to evenly distribute the filler material.



Shake to distribute the dry material





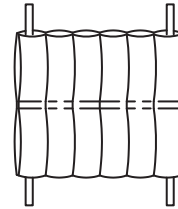
3- Place the thermal packs in a large plastic, stainless steel or enamel container (do not use aluminum).

**DO NOT** use the Thermalator for presoaking packs.

4- Fill the container with enough tap water to completely cover the Thermal Packs.

5- Soak the packs for two hours minimum, more is recommended. If the presoak water turns cloudy, change the presoak water and soak packs again. Repeat until water is clear.

6- Turn packs to upright position. The packs are now ready to use.

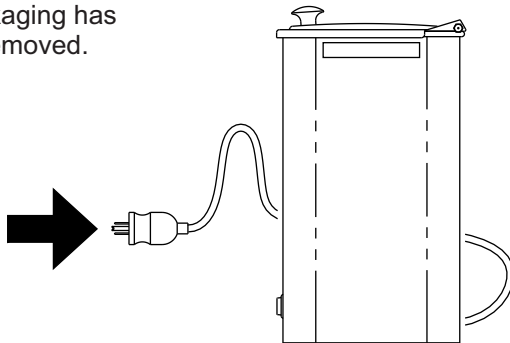


Turn the packs to upright position as shown

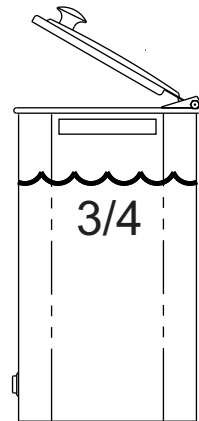
The Thermalator is to operate only in ambient temperatures of 5°C to 40°C.

## FILLING YOUR UNIT

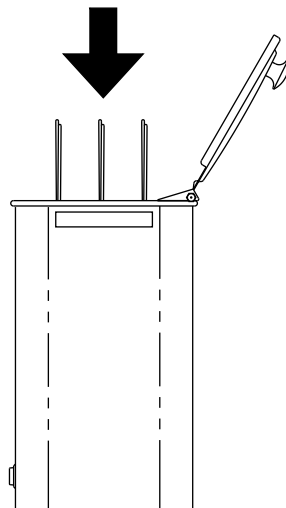
- 1 Make sure the unit is unplugged and all packaging has been removed.



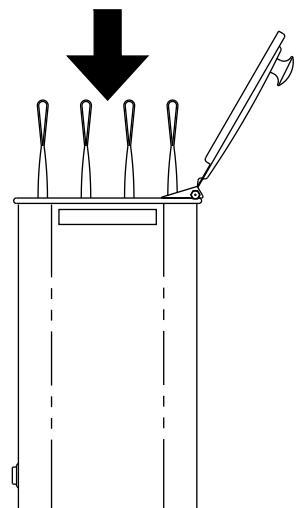
- 2 Fill unit about 3/4 full with tap water.



- 3 Place the wire rack inside the unit. Be careful of the heating element.

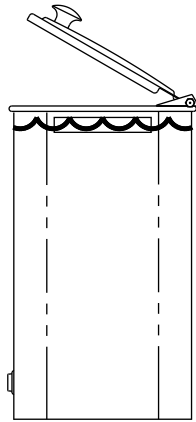


- 4 Put the Pre-Soaked Thermal Packs on the wire rack. Place all the blue or white tabs up.





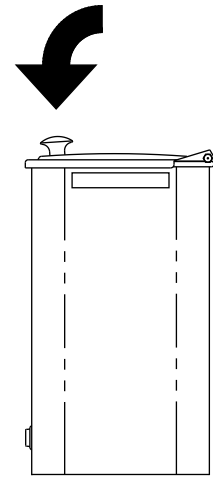
- 5 Add more water, if necessary, to cover the Thermal Packs. Uncovered packs may be damaged during heating.



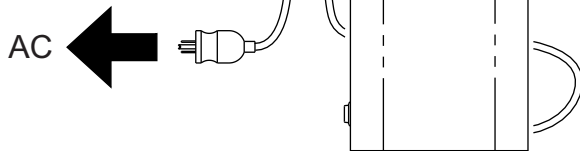
- 6 Close the lid.



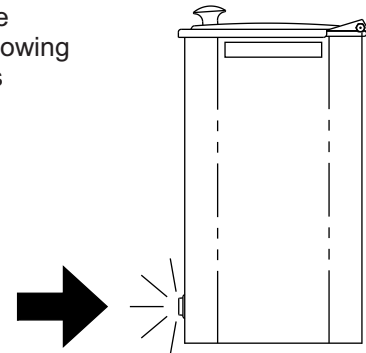
Caution! Lid can pinch fingers.



- 7 Plug the power cord into an AC outlet. A Ground Fault Circuit Interrupter is recommended because it will give additional protection from electric shock.

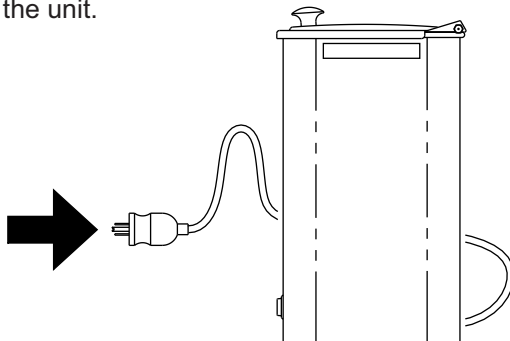


- 8 Facing the front of the unit, indicator light should be illuminated showing that the unit is heating.

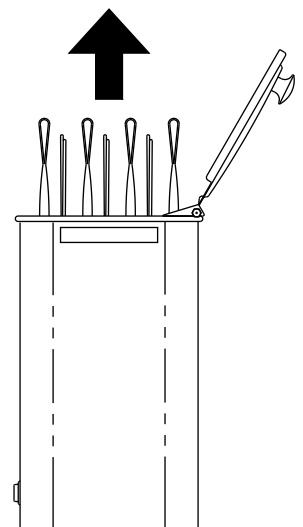


## EMPTYING YOUR UNIT

- 1 Unplug the unit.

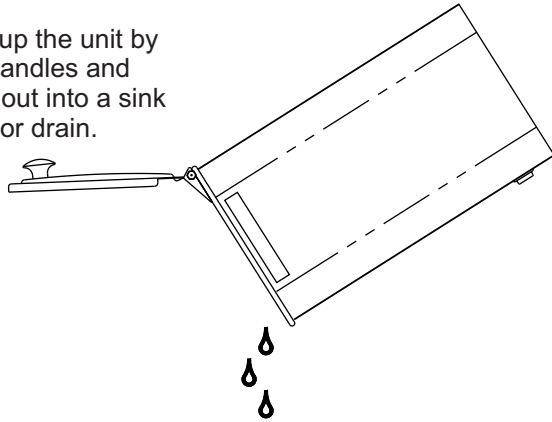


- 2 Let the water cool to room temperature. Remove the Thermal Packs and the wire rack.





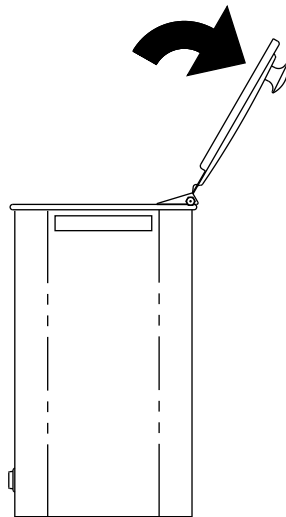
- 3 Pick up the unit by the handles and pour out into a sink or floor drain.



## USING THE THERMAL PACK

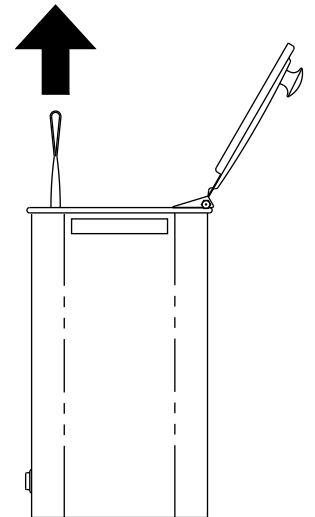
1- For each use:

- 1 Open the lid.

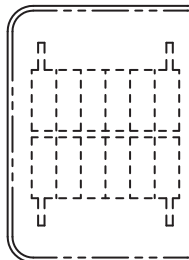


- 2 Using tongs, carefully remove the Thermal Pack.

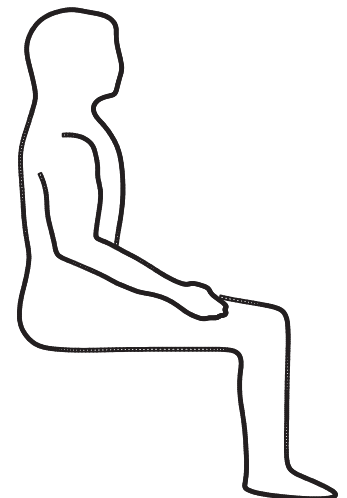
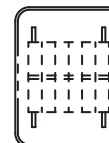
Caution: the Thermal Pack can cause skin burns.



- 3 Wrap the pack in a Thermal Pack Cover or 5 to 6 layers of terry toweling.



- 4 Put the wrapped pack on the area to be treated for a pre-set treatment time.



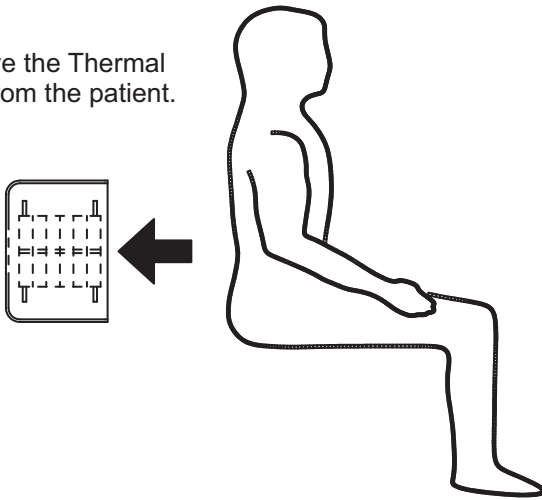
### **WARNING**

Use the Thermalator only as directed in this manual. Any other use can cause injury.

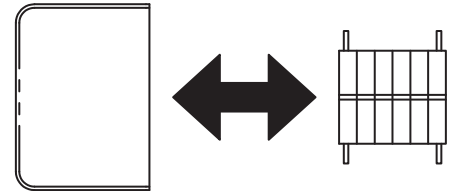




5 Remove the Thermal Pack from the patient.

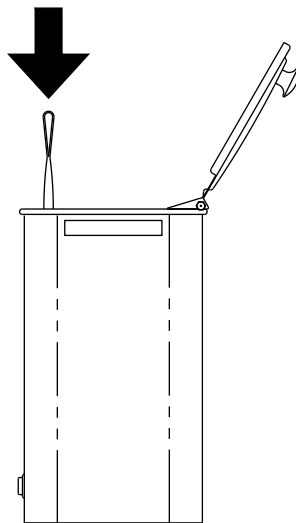


6 Remove the Thermal Pack Cover or toweling. Hang Cover or toweling to dry or launder.

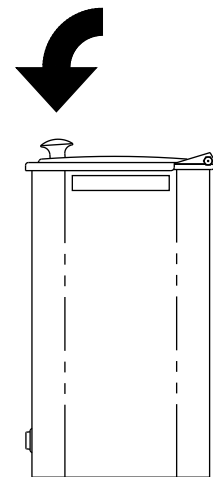


7 Return the pack to the Thermalator.

If the blue tab was up, put the white tab up now. Work your way from first to last, reversing tabs each time.

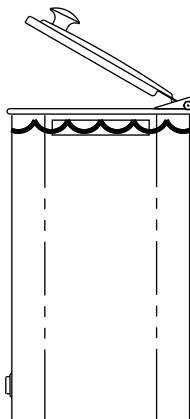


8 Close the lid. The Thermal Pack will be reheated within 15 minutes and ready for use.

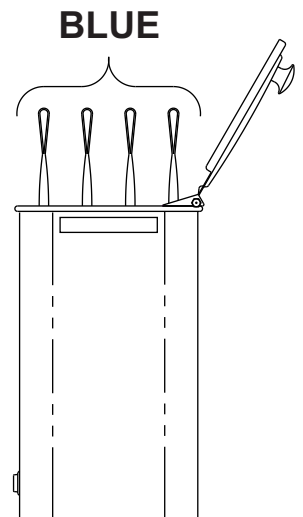


2- Daily use:

1 Add more water, if necessary, to cover the Thermal Packs. Uncovered packs may be damaged during heating.



2 Place all the blue tabs in the same reference (either all up or all down) to start the day.

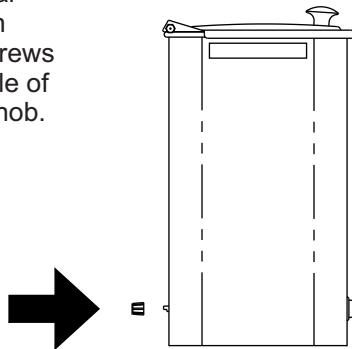




### 3- Periodic use:

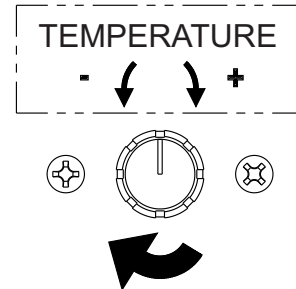
The water temperature for normal operating conditions is about 165°F (74°C). The thermostat is very sensitive; even a small adjustment can raise or lower the temperature several degrees. The thermostat has an adjustable temperature range of 65°F (18°C) to 175°F (79°C) ±5°F (-15°C). To adjust the temperature, you need a Thermometer capable of 180° F (83° C).

**5** Facing the back of the unit, find the metal temperature stem between the 2 screws in the lower middle of the unit. Attach knob.



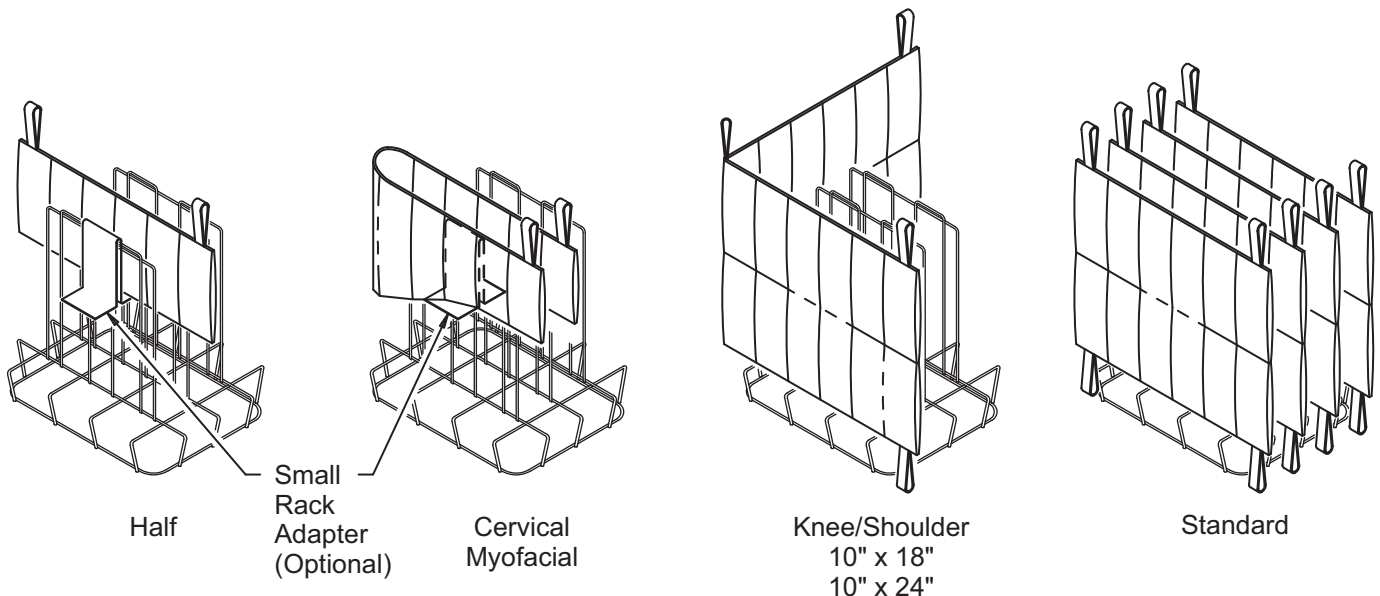
**6** Using the knob, turn clockwise to increase the temperature. Allow the temperature to stabilize, and measure the water temperature with the thermometer.

**CAUTION:** Sensitive thermostat - a small adjustment changes several degrees. Temperature range of 65°F (18°C) to 175°F (79°C) ±5°F (-15°C).



## USING THE WIRE RACK

Your Little Therm uses many different sizes of Thermal Packs. For Half, Cervical or Myofacial sizes, a small rack adapter is provided. For Standard, Knee/Shoulder, 10" x 18" and 10" x 24" sizes, use only the stainless steel wire rack provided.





## MAINTENANCE

The Little Therm design is nearly maintenance-free. It should, under most conditions, give many years of reliable service. Clean and replace the Thermal Packs as described below.

### 1. Routine Maintenance (As Needed)

- See Cleaning and Sanitizing
- Always keep the Thermal Packs under water. Replace any water that has evaporated.
- Destroy or discard any contaminated Thermal Packs.

### 2. Monthly Maintenance

- See Cleaning and Sanitizing
- Clean wire rack and insert using mild soap. Rinse thoroughly with clean tap water. Dry with soft cloth.
- Scrub your Thermal Packs with warm soap and water.
- Keep the pH (a measure of acidity of the water) between 7.4 and 7.8 to reduce the scaling and residue build-up.

### 3. Yearly Maintenance

- Replace worn out Thermal Packs. When The packs begin to wear out, the non-toxic filler oozes through the fabric and seams. The individual cells seem empty. These packs don't hold the heat. Throw away worn Thermal Packs.
- Have a professional electrician thoroughly check the following:
  - 1- Test for leakage current, dielectric strength, and receptacle polarity and ground. If you need test need test details, call the number listed on the back page.
  - 2- Check the power cord and plug. They should be free of cuts, abrasion and other damage. Replace the power cord assembly if it is damaged. Use only factory replacement parts.
  - 3- Remove the cover and check all electrical components and connections. Replace any parts that are in questionable condition. Use only factory authorized replacement parts.

## CLEANING AND SANITIZING

Cleaning of the tanks can best be accomplished with a very mild, non-scratching household cleaner and a very low abrasion plastic scouring pad lightly applied. On a stainless steel tank, never use a metal scouring pad as it is too abrasive and may leave carbon metal deposits on the stainless, which will rust.

Again, disinfection and sterilizing procedures are different from facility to facility, and we have found that alcohol is still the best (but expensive) cleaning and sterilizing solution. Bleaches and iodine should not be used.

Use of bleach or iodine will result in pin holes in the stainless steel tank which will leak and void the warranty.

## STORAGE

### 1. Storing the Little Therm

- See Cleaning and Sanitizing
- Place the Little Therm upright in a dry area away from any chemicals.

### 2. Storing the Thermal Packs

- Scrub your Thermal Packs with warm soap and water.
- Moist and Cold
  - 1- Put the moist Thermal Pack in a plastic bag.
  - 2- Seal the bag.
  - 3- Store the bag in the freezer (recommended) or refrigerator.
- Dry
  - 1- Air dry the Thermal Pack completely in a well ventilated area. The filler will become hard and caked. This doesn't hurt the bags; more Pre- Soaking time is then necessary.
  - 2- Store in a dry area away from any chemicals.

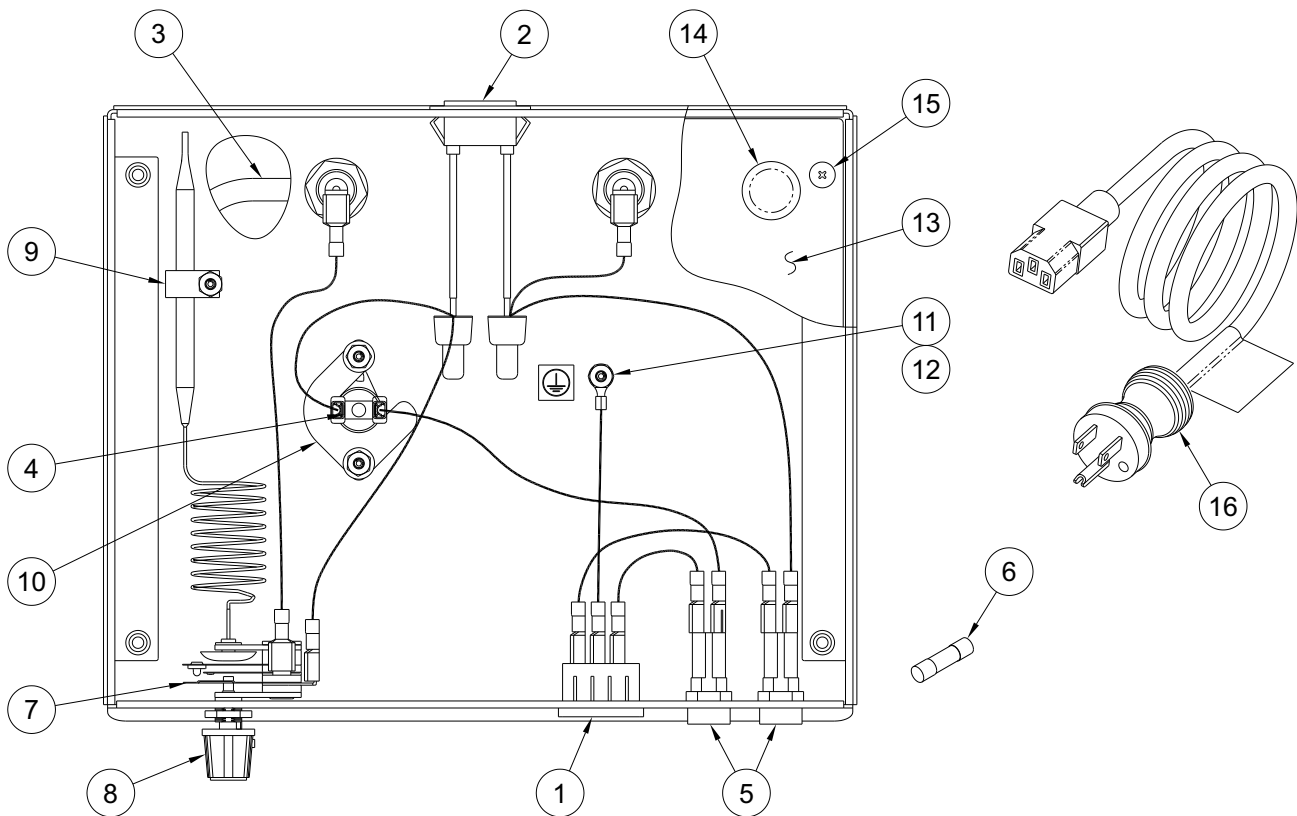


## TROUBLESHOOTING

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
Water doesn't get hot, even though unit is plugged in	Circuit breaker is off Thermostat is not working Heating element is burned out	Adjust the thermostat Replace the thermostat Replace the heating element
Water is cloudy	The Thermo Packs are worn out (seeping) Too long between cleaning	Replace the Thermal Packs Drain, clean and refill
Thermal Packs too hot	The thermostat is set too high The thermostat is broken	Adjust the thermostat Replace the thermostat
Thermal Packs too hot and then too cool	The thermostat is broken	Replace the thermostat
Thermal Packs too cool	The thermostat is set too low The thermostat is broken There is a power failure	Adjust the thermostat Replace the thermostat Check the circuit and turn on the breaker
Rust in unit	Contact with ferrous metal	Remove the ferrous metal item from the unit -usually a staple, paper clip, safety pin, etc. Clean thoroughly.

## REPAIR OF UNIT

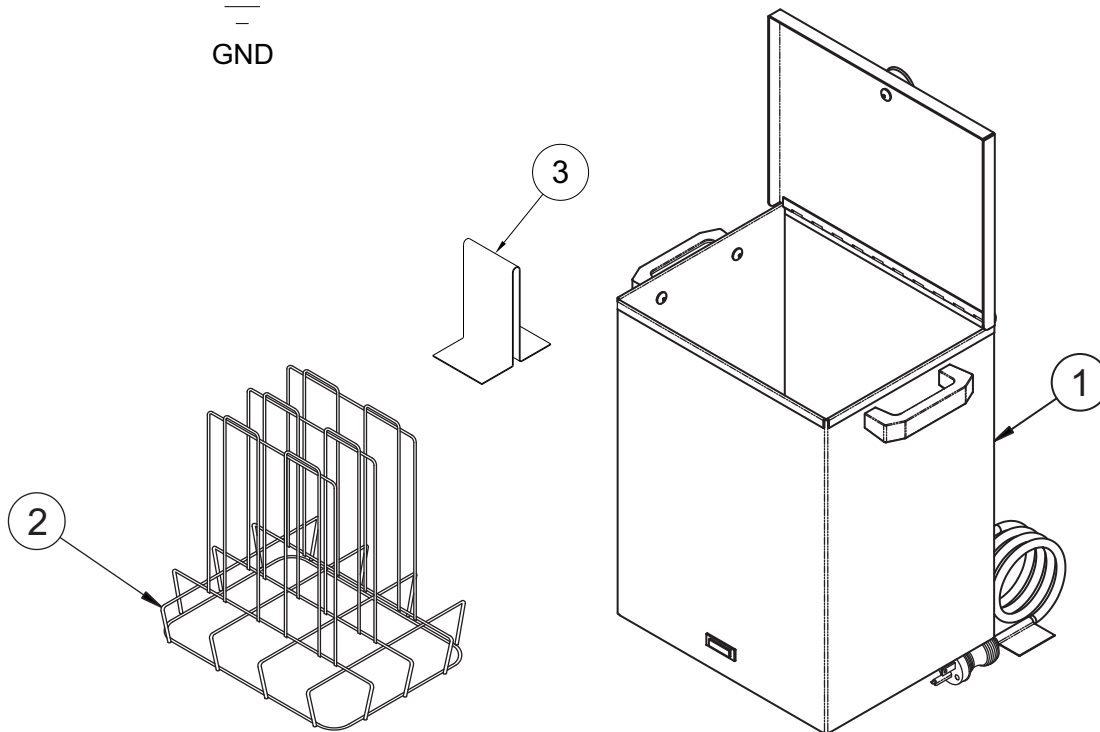
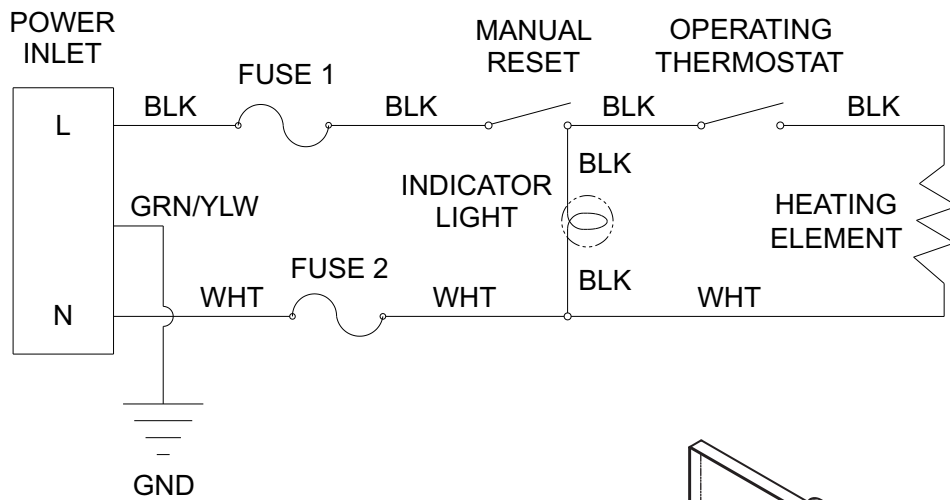
It may be necessary or you may desire to return the Little Therm unit for service. In that case, we would appreciate you contacting Whitehall Manufacturing directly. We will make arrangements for the unit to be returned to our production location. When the unit is received by us, an estimate of repairs will be made and you will be contacted. **Please- we appreciate warranty repair or any other repair be arranged directly with Whitehall Manufacturing. If you are not satisfied with our service, then and only then, contact your dealer.**



ITEM #	PART #	DESCRIPTION
1	6505-546-000	Snap-In Power Outlet 10A/15A 250VAC
2	6900-135-000	Indicator Light (Green), 125 VAC
3	6505-500-000	Heating Element 1000W 120V Tubular w/ Washers & Nuts
4	0710-446-000	1/2" Disc Thermostat, Manual Reset
5	0710-232-000	Fuse Holder Assembly
6	6900-136-000	Fuse, 1/4" x 1-1/4", 15A, Time Delay, Ceramic
7	6903-153-000	Operating Thermostat
8	6900-140-000	Knob
9	6900-102-000	Clamp- Steel Cable
10	6503-111-199	Hold Down Plate for 1/2" Disc Thermostat
11	0302-011-000	#6-32 UNC Stainless Steel Hex Nut
12	0322-003-000	#6 Plated Star Lock Washer (External)
13	6750-011-199	Bottom Cover
14	6750-012-000	Button Bumper (Foot)
15	0116-011-000	#10-32 x 5/16" S/S Phil Hd Screw
16	6505-056-000	Power Cord



# Instructions for Operation and Care of Little Therm Compact Thermalator



Whitehall Part #	Description
1	6750-002-001 Thermalator Assembly (LT-4)
2	6702-040-199 Vinyl Coated Insert Rack
3	6702-045-199 Cervical Rack Adapter



**Whitehall Manufacturing®**  
Manufacturer of Healthcare and Rehabilitation Products since 1946

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E-mail: [info@whitehallmfg.com](mailto:info@whitehallmfg.com)

## MANUFACTURER'S WARRANTY

Whitehall Manufacturing Company warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Whitehall's liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Whitehall is notified in writing within one year from date of shipment, F.O.B. Industry, California.

**This warranty does not cover installation or labor charges, and does not apply to materials which have been damaged by other causes such as mishandling or improper care or abnormal use.** The repair or replacement of the defective materials shall constitute the sole remedy of the Buyer and the sole remedy of Whitehall under this warranty. Whitehall shall not be liable under any circumstances for incidental, consequential or direct charges caused by defects in the materials, or any delay in the repair or replacement thereof. This warranty is in lieu of all other warranties expressed or implied. Product maintenance instructions are issued with each fixture, and disregard or non-compliance with these instructions will constitute an abnormal use condition and void the warranty. Stainless steel must be protected on jobsites during construction and must be properly maintained after the water has been introduced into the fixture, or Whitehall's limited warranty is void. If you have any questions or require technical assistance, please call 800-743-8219.

**NOTICE TO KEEP ORIGINAL PACKAGING-** Regarding warranty claims: customer must retain original packaging for one year upon receipt of product. If packaging is discarded, it is the customer's responsibility to provide adequate packaging. Any shipping claims that are a direct result of customer-provided packaging materials will be handled by the shipper.