Conductive Temperature Therapy System

The optimal choice for patient temperature regulation

Medi-Therm®
Hyper/Hypothermia System

Precise cooling and warming
Maintains normothermia
Reduces fever
Automatic mode for reduced nurse intervention
Provides both rapid cooling and controlled rewarming
Complete system with RaprRound™ body wraps

Distributed by:
NEW MEDICAL

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You're dedicated to medical excellence. We're dedicated to supporting you with the latest in patient temperature management solutions.

A superior alternative to traditional temperature management techniques, the Medi-Therm® — used with Rapr-Round™ body wraps — offers you precise control for managing both normothermia and therapeutic hypothermia.

Advanced proprietary software provides precise control to achieve set points. The additional controls reduce nursing intervention time.

**Medi-Therm addresses key issues that are specific to your needs:**

<table>
<thead>
<tr>
<th>Clinical</th>
<th>Economical</th>
<th>Technical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controls for precise cooling and warming</td>
<td>Cost-effective system to meet your budget needs</td>
<td>Intuitive control panel for enhanced ease of use</td>
</tr>
<tr>
<td>Maintenance-free, rate-controlled rewarming</td>
<td>Automated operation requires less nursing intervention</td>
<td>Multiple modes for both cooling and heating</td>
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<tr>
<td>Cools febrile patients</td>
<td>Two-year limited machine warranty</td>
<td>Designed for nurse-managed protocols</td>
</tr>
<tr>
<td>Helps maintain perioperative normothermia</td>
<td>Five-year limited prorated compressor warranty</td>
<td>State-of-the-art microprocessor control</td>
</tr>
<tr>
<td>Easy patient access</td>
<td></td>
<td>Separate heating and cooling reservoirs for rapid thermal response</td>
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<tr>
<td>Less risk of infection — non-invasive, catheter-free</td>
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<tr>
<td>Dual over-temperature systems</td>
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<tr>
<td>Rapid initiation — staff can commence therapy in minutes</td>
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Induced mild hypothermia: A vital breakthrough in temperature management

High mortality rates among cardiac arrest patients have prompted physicians to re-evaluate temperature management therapy options.

Randomized, controlled clinical trials show that induced mild hypothermia used in resuscitating cardiac arrest patients results in reduced possibility of neurological damage, shorter ICU and hospital stays, lower mortality rates and better outcomes.1,2

More care facilities are considering and implementing a new approach in temperature management therapy — induced mild hypothermia.

How It Works

Many patients who have return of spontaneous circulation (ROSC) after out-of-hospital cardiac arrest eventually have a poor neurological outcome due to hypoxic-ischemic brain injury.3 Induced mild hypothermia appears to limit damage to the brain cells by decreasing cerebral oxygen demand and reducing the brain’s metabolic activity.1

American Heart Association (AHA) Guidelines 4

AHA’s most recent treatment guidelines include the following recommendations:

- Unconscious adult patients with ROSC after out-of-hospital cardiac arrest should be cooled to 32°C to 34°C for 12 to 24 hours when the initial rhythm was ventricular fibrillation. Level of evidence IIa.
- Such cooling may also be beneficial for other rhythms or in-hospital cardiac arrest. Level of evidence IIb.

The Medi-Therm® 7900 Offers Multiple Cooling and Warming Options

**1 Induction/Cooling Phase**
- Rapid mode uses the coldest water available. Moderate incorporates a 15°C differential between the water temperature and patient temperature. Gradual uses a 10°C differential.
- In Rapid or Moderate modes, when the patient temperature is equal to or less than 1°C from the patient set point, the unit will limit the output water temperature to 10°C below the patient temperature.
- Stabilizes patients at their target temperatures quickly.
- Less chance of patient shivering.

**2 Maintenance Phase**
- Patient temperature maintained at set point per protocol (+ or -.5°C).

**3 Warming Phase**
- Accommodates automatic extended rewarming intervals for optimal therapy benefits and less risk of rebound hypothermia.
- Clinician chooses the desired patient temperature and then chooses Moderate (approximately 12 hours) or Gradual (approximately 24 hours) mode.*

* Based on 170 lb. (77 kg) patient.

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**Six automatic options**
- Rapid, Moderate or Gradual for warming and cooling

**Water temperature**
- Displayed in Manual mode

**Patient temperature**
- Displayed in all modes

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**Visual/audible alerts**
- Provide indication of faults or possible system concerns

**One-touch Celsius/Fahrenheit selection**
- Set point allows temperature to be adjusted per protocol
Warming or cooling a patient is often a critical factor in achieving positive outcomes. Compared to conventional water blankets, Rapr-Round™ body wraps offer a more efficient warming/cooling system while increasing the area of body surface contact.

The Rapr-Round is effective for use when inducing and maintaining mild hypothermia, rewarming and temperature management of febrile patients. Used with the Medi-Therm, the system provides clinically proven therapy at an affordable price.

**Increased skin surface contact**
- Precise warming and cooling with approximately 60% of body surface coverage
- More effective warming and cooling than a flat blanket or ice packs
- Increased heat transfer

**Two vest sizes**
- Fits up to 90% of all adults
- Less inventory to stock

**One size fits all legs**
- Only necessary to stock one size of leg wrap; no right or left
- Lower back leg profile for patient access

**Designed with clinician input**
- Lower profile chest allows quick visibility to IV lines, EKG and easy patient access
- One product can be used in multiple hospital departments
- Permits bony prominences to be in contact with specialty support surfaces
- Non-woven material provides gentle, non-adherent contact layer that eliminates use of sheet between body wrap and patient skin

**Easy to apply**
- Simple Velcro®-style closure — nothing adheres to the skin
- Wraps move with the patient when repositioned
- Single patient use, 10-12 days

**Cost-effective compared to:**
- Invasive (catheter) disposables
- Adhesive gel disposables
- Other body wrap systems
Specifications: Medi-Therm

- **Dimensions**: 37” H x 14” W x 18-1/4” D (94 x 36 x 46 cm)
- **Weight**: 141 lbs. (64 kg) full; 121 lbs. (55 kg) empty
- **Cabinet**: Shell .063”: thick aluminum chassis; 16 ga. steel top; flame retardant ABS; 5” (13 cm) conductive air discharge; manual storage
- **Power**: ON/OFF switch w/circuit breaker 16/3 SO power cord, 15 ft. (4.6 m) Hospital-grade plug 120 VAC, 11.5 amps, 60Hz 500-watt heater 1/3 hp refrigeration system
- **Control**: Microprocessor Sealed front panel Self-compensating temperature measurement; no periodic calibration required
- **Fluid System**: Distilled water, 10 qt. (9.5 L) Separate hot and cold reservoirs Magnetically coupled pump 16 gph (60 lph) flow rate minimum with blanket
- **Refrigerant**: R-134a (Freon free)
- **Temperature Control**: Water Range: 4°C-42°C (39.2°F-107.6°F) Patient Range (Auto): 30°C-41°C (86°F-105.8°F)
- **Warranty**: Machine: Two years limited Compressor: Five years limited prorated

Ordering Information: Medi-Therm

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>MTA7900</td>
<td>Medi-Therm 7900 hyper/hypothermia machine (120 VAC), includes two DBK9 adapter hose (Clik-Tite® connectors) and one AP10CE adaptor for disposable temperature probe</td>
</tr>
<tr>
<td>DBK9</td>
<td>Adapter hose (Clik-Tite connectors)</td>
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<tr>
<td>DBK35CE</td>
<td>Insulated adapter hose 10 ft. (3.05 m) (Clik-Tite connectors)</td>
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<tr>
<td>DBK9CC</td>
<td>Adaptor hose (Colder® connections)</td>
</tr>
<tr>
<td>HBX8</td>
<td>Extension hose, 8 ft. (2.43 m) (Clik-Tite connectors)</td>
</tr>
<tr>
<td>ADP10CE</td>
<td>Adaptor for disposable temperature probe</td>
</tr>
<tr>
<td>DP400CE</td>
<td>Temperature probe, disposable, esophageal/rectal</td>
</tr>
<tr>
<td>PAT101</td>
<td>Temperature probe, reusable, esophageal/rectal, adult</td>
</tr>
<tr>
<td>PAT102</td>
<td>Temperature probe, reusable, esophageal/rectal, pediatric</td>
</tr>
<tr>
<td>PAT108</td>
<td>Temperature probe, reusable, skin surface</td>
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<tr>
<td>MTA33</td>
<td>Germicide/Algaecide</td>
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Ordering Information: Blankets

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>DHP610</td>
<td>25&quot;W x 64&quot;L (64 x 163 cm), adult</td>
</tr>
<tr>
<td>DHP612</td>
<td>22&quot;W x 33&quot;L (56 x 84 cm), pediatric</td>
</tr>
<tr>
<td>DHP613</td>
<td>30&quot;W x 64&quot;L (76 x 163 cm), adult/full bed</td>
</tr>
<tr>
<td>DHP810</td>
<td>25&quot;W x 64&quot;L (64 x 163 cm), adult</td>
</tr>
<tr>
<td>DHP812</td>
<td>22&quot;W x 33&quot;L (56 x 84 cm), pediatric</td>
</tr>
<tr>
<td>DHP813</td>
<td>30&quot;W x 64&quot;L (76 x 163 cm), adult/full bed</td>
</tr>
<tr>
<td>DHP901</td>
<td>25&quot;W x 69&quot;L (64 x 175 cm), adult</td>
</tr>
<tr>
<td>DHP902</td>
<td>25&quot;W x 36&quot;L (64 x 91 cm), pediatric</td>
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Heavy-duty reusable, all polymer

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<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>HP7010</td>
<td>25&quot;W x 69&quot;L (64 x 175 cm), adult</td>
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<tr>
<td>HP7020</td>
<td>25&quot;W x 36&quot;L (64 x 91 cm), pediatric</td>
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