PerfecTemp™
Patient Warming System
Underbody Warming for All Patients

Medline’s new PerfecTemp OR table pad helps meet SCIP-Inf-10 by combating hypothermia and reduces the risk of pressure ulcers. It is the only warming system available that monitors the temperature at the point of contact between the pad and the patient’s skin — ensuring the patient’s temperature is constantly monitored and maintained for normothermia.

PerfecTemp’s unique and reusable surgical table pads offer silent warming from underneath, allowing effective patient warming — even during C-sections and heart and spinal procedures.

PerfecTemp Complies with SCIP Measure 10

The Surgical Care Improvement Project (SCIP) is a national quality partnership of organizations focused on significantly reducing surgical complications. PerfecTemp helps you comply with SCIP Measure 10, which recommends the use of active warming intraoperatively to achieve the target temperature of 36°C (96.8 degrees F) within 30 minutes before or 15 minutes after anesthesia end time. The measure applies to patients of all ages undergoing surgical procedures under general or neuraxial anesthesia for 60 minutes or more.

PerfecTemp Warms Quickly to Normothermia with Patient Contact

Warming can begin as soon as the patient is positioned on the OR table. The device senses temperature through two sensors near the patient’s skin to continuously monitor and control the heat generation.

PerfecTemp At a Glance

- Complies with SCIP Measure 10
- Advanced Technology for Uniform Patient Warming
- Save Time and Money
- Easy to Use
- Avoidance of Pressure Ulcers

Achieve normothermia, even during these traditionally difficult to warm procedures:
- Open Heart
- C-Section
- Neuro/Spine
- Orthopedic
The Importance of Patient Warming

The risk of unintentional hypothermia is greater with anesthetized patients. After inducing general anesthesia, a patient’s core body temperature rapidly drops.4

Preventing unintentional hypothermia helps you avoid many postoperative complications and the associated costs:

• **SURGICAL-SITE INFECTIONS** – in one study, the incidence of culture-positive wound infections was three times higher in hypothermic patients compared to normothermic patients5

• **CARDIAC EVENTS** – studies show that hypothermic patients were up to three times more likely to have ECG events, myocardial ischemia and ventricular tachycardia6

• **HIGHER MORTALITY RATES** – patients with hypothermia were shown to have significantly higher incidences of organ dysfunction and death7

• **BLEEDING** – at the end of surgery, as well as 3, 12, and 24 hours after surgery8

• **EFFECTS OF DRUGS USED DURING ANESTHESIA** – the average duration of neuromuscular blocking agents and the onset of reversal agents is more than doubled9

• **LONGER RECOVERY TIME** – patients with a temperature of 35°C need up to 90 minutes longer in the PACU10 than normothermic patients

Precipitous drop in patient temperature within the first hour of anesthesia induction

Typical Pattern of Hypothermia during General Anesthesia

FLEXIBLE HEATING ELEMENT MAINTAINS NORMOTHERMIA

PerfecTemp uses a high-tech heating element to effectively maintain normothermia in anesthetized patients to 36°C (96.8°F). Studies show that PerfecTemp’s conduction heating is just as effective as forced-air warming systems for maintaining normothermia.1

By continuously monitoring the temperature at the interface between the pad and the skin, PerfecTemp offers more precise control of the patient’s core body temperature.

SAFETY ALARM

PerfecTemp also features an alarm system to alert the OR staff if the temperature becomes too hot. This feature helps protect against skin burns.

Advanced Technology for Uniform Patient Warming

PerfecTemp monitors the temperature at the point where the patient’s skin meets the mattress, allowing for optimal heat delivery efficiency and unparalleled safety. The leading forced-air system only monitors the temperature at the exit of the blower. And because the PerfecTemp temperature sensors utilize fiber-optic technology, the warming pad is X-ray translucent.
COST-EFFECTIVENESS

PerfecTemp’s pressure redistribution surface aids in the avoidance of perioperative pressure ulcers. As many as 66 percent of hospital-acquired pressure ulcers occur in the operating room. The Centers for Medicare and Medicaid Services (CMS) has estimated that a Stage III or IV pressure ulcer costs an additional $43,180 per hospital stay, and as of October 1, 2008, CMS no longer reimburses for hospital-acquired pressure ulcers. PerfecTemp is the only warming system that helps you reduce unwanted pressure and associated costs.

INCREASED EFFICIENCY

Improving efficiencies and reducing skus can help save time and money:

• No disposables – with forced-air systems, a disposable blanket (costing $8 - $10) is thrown away after every procedure
• Improve OR turnaround time – simply disinfect the PerfecTemp surface, and you’re ready for the next case
• Reusable pads – no need to maintain additional inventory
• Low energy use – save on your electric bill and reduce your carbon footprint (see energy consumption on back cover).

*Pressure reducing properties are effective for patients up to 500 lbs.
Easy to Use

SILENT, CONDUCTIVE WARMING FOR ALL PATIENTS

PerfecTemp’s conductive warming is silent. And with no blowing hot air, PerfecTemp creates a more comfortable environment for surgeons because it doesn’t cause the room to heat up.

Instead of covering a patient with a cumbersome, disposable blanket, PerfecTemp’s underbody warming offers full patient access. So every patient can be warmed, regardless of the procedure, from pediatrics through adults up to 500 lbs. It’s also X-Ray translucent and compatible with reusable grounding pads.

REDUCE STAFF TIME WITH SIMPLE SETUP AND AUTOMATIC TIMER

Because the pads and the control unit remain in the OR, there’s very little setup. With the built-in timer, PerfecTemp can even be set to turn on automatically before the first procedure of the day, eliminating setup time altogether.

The easy-to-use system consists of three components:
- OR table pads – replacing your existing OR table pads
- Control unit – small and light weight; mounts to IV poles or flat surfaces
- Two cords – connection (12’) and power (10’)

Avoidance of Pressure Ulcers

Several studies indicate that procedures longer than two and one-half to three hours significantly increase the patient’s risk for pressure ulcer formation.13 To combat this, positioning devices should maintain normal capillary interface pressure of 32 mmHg or less.14

THE ONLY WARMING SYSTEM TO OFFER PRESSURE REDISTRIBUTION

PerfecTemp has two layers of advanced foam for superb pressure redistribution3:
- Visco-elastic “memory foam” (1”) – better than ordinary foam at reducing pressure
- High-resilience foam (2.5”) – below the memory foam and the heating element, for maximum support even with bariatric patients (up to 500 lbs.)

LESS FRICTION

The high-tech synthetic pad cover reduces friction – a factor known to contribute to skin breakdown.
- Stretches in all directions – so it yields instead of rubs against a patient’s skin
- Strong yet conformable – not rigid
REFERENCES


Specifications

<table>
<thead>
<tr>
<th>CONTROL UNIT</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Dimension of Control Unit</td>
<td>7.5” (19 cm) W x 8” (20.3 cm) D x 11.5” (29.2 cm) H</td>
</tr>
<tr>
<td>Weight of Control Unit</td>
<td>8.8 lbs. (4 kg)</td>
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<tr>
<td>Control Unit Mounting</td>
<td>Clamp to an IV pole or place on a hard flat surface</td>
</tr>
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</table>

SAFETY SYSTEM

| Alarm System | Over temperature – display flashes “Over-Temperature,” alarm sounds, heating element shuts off |
| Fault – display flashes “Fault,” alarm sounds |
| Over Current Protection | Fused Lines |

Variety of Sizes and Combinations

PerfecTemp pads are available in a wide variety of dimensions, and our selection of bundles includes many different combinations of pads. Ask your Medline representative for more information.

Specifications

Standard Armboard Cover (PTPADAB)

10” Head Pad (PTPAD10HP)

40” Torso Pad (PTPAD40TP)

18.5” Foot Pad (PTPAD185FP)

Control Unit (PTPADCU)
# PerfecTemp vs Forced-air systems

<table>
<thead>
<tr>
<th>Compared item</th>
<th>PerfecTemp</th>
<th>Forced-Air Systems</th>
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<tbody>
<tr>
<td>Patient Access</td>
<td>100%</td>
<td>Limited</td>
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<tr>
<td>Noise*</td>
<td>0 dBA</td>
<td>55 dBA</td>
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<tr>
<td>Ease of Use</td>
<td>1 step</td>
<td>7 steps</td>
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<tr>
<td>Blowing Air</td>
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<td>Disposables Required</td>
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<td>Underbody Warming</td>
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<tr>
<td>Full Patient Access:</td>
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<td>Helps Prevent Shear</td>
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<td>Automatic Timer</td>
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<td>Energy Consumption*</td>
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<td>Patient Interface Safety Alarm</td>
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<tr>
<td>Reduces Carbon Footprint</td>
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*As reported in the service manual.

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