TOTAL SYSTEM
PATIENT TEMPERATURE MANAGEMENT

CSZ meets all your patient care needs from a single source by supplying you with the following products:

- Hyperthermia and Hyper-Hypothermia systems designed for total body temperature management
- Cooler/Heater systems for patient temperature management during cardiovascular procedures
- Heater systems for Extra Corporeal Membrane Oxygenation (ECMO) procedures
- Heating and cooling blankets for use with water and air therapy
- Localized Cold Therapy Units
- Localized Heat Therapy Units
- Localized therapeutic pads for knees, elbows, and other specific body applications
- Patient Temperature Probes and Accessories

These products are used in the OR, ICU, PACU, Cath. Lab., Outpatient, Orthopedics, and other areas of hospitals throughout the world. Along with these products, CSZ also provides temperature management products for use in the home healthcare market.
Hyper-Hypothermia Systems

CSZ HYPER-HYPOTHERMIA SYSTEMS ARE USED FOR THERAPEUTIC PATIENT WARMING OR COOLING TO PROVIDE THE FOLLOWING PATIENT BENEFITS:

- Maintains body temperature at normothermic levels
- Replaces body heat lost during and after long surgical procedures
- Counteracts body temperature increases due to secondary infection, such as septic shock, neurological lesions, heat stroke, etc.
- Lowers body temperature to assist in specific surgical procedures

Blanketrol® II Hyper-Hypothermia Water System

Easy-to-use
High water flow rate
Microprocessor-controlled
Fast response time

The Blanketrol II system offers a cost-effective and convenient way to warm or cool your patients with three operating modes, three levels of safety, and three connections for blankets, maximizing your investment. These units also include an internal by-pass feature for prewarming/cooling the unit, simplifying set up.

Norm-O-Temp® Hyperthermia Water System

Cost-effective
Compact
Easy-to-use
Microprocessor-controlled
Fast response time

The Norm-O-Temp total body Hyperthermia water system provides effective heat therapy at less than 1/2 the cost of a hyper-hypothermia system. Its quiet operation and compact size are ideal for any hospital environment. As with our Blanketrol II system, the Norm-O-Temp also offers three levels of safety along with audible and visual alarms to protect both the patient and product. Low profile or combination IV pole stands are available for added convenience and mobility.
Maxi-Therm® Lite Blankets

- Soft & lightweight
- Cost effective
- Easy-to-use
- Reduces risk of cross contamination

Unlike other hyper-hypothermia water blankets, Maxi-Therm Lite single-use blankets are soft, lightweight, and remain pliable at their coldest temperatures.

Increased water surface area makes the Maxi-Therm Lite highly efficient by utilizing the maximum surface area to deliver temperature therapy. These blankets are covered on both sides with a comfortable, non-woven material that eliminates the need for a cover sheet. Maxi-Therm Lite blankets are strong, yet light enough to be used under or over your patient.

Maxi-Therm® Blanket

- Easy-to-clean
- Stain Resistant
- Reduces risk of cross contamination

Maxi-Therm hyper-hypothermia blankets are designed for single-patient use. These blankets are easy to clean, stain resistant and ideal for isolation cases.

PlastiPad® Blankets

- Durable
- Reusable
- Easy to Clean

PlastiPad reusable blankets are constructed of durable urethane. These blankets resist punctures and have a seam strength triple that of most competitive plastic blankets. Blood, soil, and debris will not penetrate the non-porous surface. Set-up is also simplified through the use of permanently attached hoses.

Disposa-Covers

- Reduces clean up time
- Increases blanket life
- Provides patient comfort
- Reduces risk of cross contamination

Disposa-Covers are inexpensive, easy-to-use covers designed for use with Maxi-Therm and PlastiPad blankets. These covers help increase the lifespan of single-patient use and reusable blankets by preventing stains and reducing clean-up time.
Maxi-Therm® Lite Patient Vest

- Non-invasive
- Easy patient access
- Versatile
- Cost-effective

Designed to fit any patient, the Maxi-Therm Lite Patient Hyper/Hypothermia Vest fully encloses the torso and provides effective heating/cooling therapy needed to control core body temperature.

Head Wrap

- Offers a non-invasive alternative to patient warming during off-pump cardiac surgery
- Provides whole body cooling for patients who require mild hypothermia
- Helps maintain normothermic conditions

The CSZ Head Wrap offers an innovative, non-invasive method of controlling core body temperature by cooling/heating the major blood supply to and from the brain. Versatile design permits therapy in a wide variety of clinical situations.

Maxi-Therm® Lite Surgeon’s Vest

- Provides comfort to Operating Room staff
- Provides effective cooling or warming
- Reduces perspiration and fatigue

The Maxi-Therm Lite Vest keeps O.R. professionals comfortable during surgical procedures by circulating temperature-conditioned water throughout the vest. The Maxi-Therm Lite Vest consists of a lightweight material with velcro straps that fasten on each side to be worn beneath lead vests and/or sterile gowns. The Vest may be used with CSZ’s Blanketrol® II or other hyper-hypothermia devices.

Blood Temperature Control

Blood temperature control system accurately raises blood temperature for Extra Corporeal Membrane Oxygenation (ECMO) procedures.

ECMO

- Compact
- Easy-to-use
- Built-in safeties
- Microprocessor-controlled

The ECMO heater is an accurate, reliable, and safe method for maintaining blood temperature during ECMO procedures. This unit is designed for use with a heat exchanger to warm blood in applications involving neonatal, pediatric, or adult patients. Blood, water or patient temperature may also be monitored with the ECMO unit.

Since this unit is compact and portable, it may be mounted on a stand, table, or used on a crash cart.

Temperature Probes

CSZ offers a full range of temperature probes designed to meet all your needs. Single use and reusable skin/surface and esophageal/rectal probes are available for patient temperature monitoring.

Steri-Probe® single use probes offer fast temperature response. These probes easily connect to CSZ’s Blanketrol II, Electri-Cool II, and ECMO units. Since the probes are both sterile and disposable, the risk of cross-contamination is greatly reduced.
Convective Air Warming

**WarmAir®**
- Compact
- Lightweight
- Easy-to-use
- High & low temperature alarms

The WarmAir provides convective air warming therapy. Since each unit is small and lightweight, it easily attaches to operating room tables, stretchers, bed ends, side rails, or IV poles. Built-in safety systems include multi-level, high and low temperature alarms. All air is filtered before being distributed to the air blanket to prevent airborne bacterial contamination in critical areas.

**Upper Body Blanket with WarmAir Warming System**

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**Warming Tube®**
- Full patient access
- Cost-effective
- Soft & flexible
- Surrounds patient

CSZ’s Warming Tube is a cost-effective method of providing patient warmth while maintaining full access to your patient. The Warming Tube is ideal for use in the PACU, Cath. Lab., and Radiology.
FilteredFlo® Blankets

• Easy-to-manage
• No blowing air
• Uniform warm air distribution
• Retains heat

FilteredFlo single-use convective air blankets offer unmatched performance. Blankets used in the OR and PACU conform to the patient’s body to deliver evenly distributed warm air without a hint of blowing air or discomfort. For added performance, a reflective material is utilized to retain heat, eliminating the need for a top blanket or sheet, reducing laundry and processing costs.

Unlike competitive blankets, CSZ’s FilteredFlo blankets are easy-to manage, will not “fly away”, and may be folded back to provide access to the patient. FilteredFlo blankets are available in upper body, lower body, full body adult, pediatric and neonate configurations.

Pediatric & Neonate Blankets
Portable Cold Therapy

• Three selectable temperature settings
• Easy-to-use
• Cost-effective
• Portable

The Portable Cold Therapy (PCT) unit provides up to 10 hours of continuous effective cold therapy. This unit offers flexibility as it may be used for sports injuries, post surgical procedures, or wherever cold therapy is required. The PCT utilizes an electric pumping system. The patented product operates on 110 volt AC power or an optional battery pack.

Electri-Cool® II

• Convenient - no ice, no mess, simple setup
• Multiple patient and product safeties
• Three selectable temperature settings
• Easy-to-use
• Microprocessor-controlled
• Operates on Thermoelectric technology - no refrigerants required

The Electri-Cool II cold therapy device offers three selectable temperature settings, audible & visual alarms, and is 45% lighter and smaller than the original. This unit may be attached to the patients bed with a bracket to save valuable floor space or may be mounted on a stand for easy mobility.

Localized Cold Therapy

Clinically effective because it:

• Reduces Blood Flow to Injured area
• Reduces Edema (swelling)
• Reduces Pain and the amount of pain medication required
• Reduces Oxygen needs of tissue
• Promotes blood coagulation (clotting) at wound site
Cold Therapy Temp-Pad®
Flexible
Soft
Easy-to-clean
Localized Cold Therapy Temp-Pads are designed for use with CSZ’s Electri-Cool II and Portable Cold Therapy units. Pliable even at the coldest setting, these foam-backed urethane pads resist stiffening and conform better to body contours. Pads are available in a wide range of configurations for uses such as knee, hip, shoulder, ankle, and other body applications. Temp-Pad wraps are available for shoulders and knees in a variety of sizes.

Neuro-Cool™
Helps provide effective pain relief
Convenient for home or hospital treatment
Ideal for patients who are unable to take certain pain medications
Eliminates side effects caused from certain migraine medications
Non-prescription
Easy-to-use
The Neuro-Cool System provides pain relief by combining a head wrap with a cold therapy unit for effective migraine treatment. The head wrap encloses the head and neck, where migraines are most likely to occur. Patients may also reduce lengthy visits to the ER and decrease the amount of lost workdays due to painful migraines. The Neuro-Cool provides symptom relief in a matter of minutes, whereas certain medications can take many hours.

ImmobilICE®
Cold Therapy Pads with Support
Easy to remove and re-apply
Eliminate excess taping/wrapping
Provides mild compression
Insulated to assure cold therapy
Maximum conformity
Quick-connect self-sealing couplings ensure no mess.

Neuro-Cool is a trademark of Traumatec, Inc.
Localized Heat Therapy

Localized heat therapy is clinically effective because it:
- Improves blood flow and the delivery of leukocytes and antibodies to injured area
- Promotes muscle relaxation
- Reduces pain from muscle spasms and stiffness
- Helps promote healing
- Helpful in the rehabilitation of fracture treatment

Micro-Temp® II
- Provides patient and product protection
- Delivers precise and consistent therapy
- Compact and lightweight
- Easy-to-use

CSZ’s Micro-Temp II system provides consistent localized heat therapy. The system delivers precise temperature control over the range of 68°F to 108°F (20°C to 42°C). Each Micro-Temp II pump is equipped with low water and tip-over safety protection.

Maxi-Therm® Lite Pads
- Soft & lightweight
- Cost-effective
- Minimize chance of cross contamination

Maxi-Therm Lite single-patient use pads are soft, lightweight, and remain pliable at their coldest temperatures.

Increased water surface area makes the Maxi-Therm Lite highly efficient by utilizing the maximum surface area to deliver temperature therapy. These blankets are covered on both sides with a comfortable, non-woven material. Maxi-Therm Lite Pads are available in a variety of sizes for multiple applications.

Heat Therapy Temp-Pad®
- Soft
- Easy to Clean
- Absorbent Foam for Moist Heat

Localized Heat Therapy Temp-Pads are designed for use with CSZ’s Micro-Temp II Pump. Comprised of vinyl and foam, Temp-Pads are soft, durable, and easy to clean. With vinyl/foam Temp-Pads, no constant re-wetting is required for moist heat. These pads are available in a variety of sizes for multiple applications.
How do I know what blankets CSZ recommends for each unit?

<table>
<thead>
<tr>
<th>Unit Blankets/Pads</th>
<th>Maxi-Therm Lite</th>
<th>Maxi-Therm</th>
<th>Hot Temp-Pads</th>
<th>Cold Temp-Pads</th>
<th>PlastiPad</th>
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</thead>
<tbody>
<tr>
<td>Blanketrol II</td>
<td>All Sizes</td>
<td>All Sizes</td>
<td>-</td>
<td>-</td>
<td>All Sizes</td>
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<tr>
<td>Norm-O-Temp</td>
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<td>Micro-Temp II</td>
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<td>All Sizes</td>
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<tr>
<td>Electri-Cool II</td>
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<td>-</td>
<td>All Sizes</td>
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<tr>
<td>Portable Cold Therapy</td>
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<td>All Sizes</td>
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</tbody>
</table>

All CSZ pads and blankets are adaptable to competitive models.

**QUALITY**

The quality of design, engineering, and manufacturing of all Cincinnati Sub-Zero (CSZ) products is well known throughout the medical industry. You can be confident that our products will provide many years of quality performance. Our ISO-9001 certification combined with our quality/reliability processes ensure you are purchasing the most reliable product in the industry.

**SERVICE**

Service is the cornerstone at Cincinnati Sub-Zero. Matched by none, CSZ provides a comprehensive service organization to assure product performance. CSZ has factory-trained representatives to provide on-site maintenance and repair of your CSZ products. From the first contact with any one of our customer service or technical service departments, you will be provided with prompt, courteous, and knowledgeable assistance.

CSZ offers extended product warranties, preventive maintenance programs, upgrades, and calibration services. Contact CSZ’s service department today for more details.

*Protect your investment*
*Reduce cost of ownership*
*Save valuable maintenance time*
*Assure prompt qualified service*
*Enable planned limited expenditures*
*Keep your equipment performing to today's latest standards*

For ordering, technical support, and replacements parts, please contact us at 1-800-989-7373 (U.S. and Canada only) or call 513-772-8810.
As an innovator, CSZ led the field by being the first U.S. company to develop...
• The Hemotherm®, a compressor-driven cooler/heater for open-heart surgery;
• The Blanketrol® II, a microprocessor-controlled hyper/hypothermia unit; and
• The first in the industry to use environmentally friendly refrigerants in all its hyper-hypothermia products.

Today, Cincinnati Sub-Zero maintains its position as an innovator in Patient Temperature Management. Our objectives are to continue leading the market in state-of-the-art technology and to pursue new product solutions to meet your healthcare needs. It is to a philosophy of commitment to innovation, product quality and customer service that we dedicate our future.