

ARCTIC SUN[®] 5000

TEMPERATURE MANAGEMENT SYSTEM

Setting a new standard
for performance,
safety and simplicity



ARCTIC SUN[®]

TEMPERATURE MANAGEMENT SYSTEM

The **ARCTIC SUN[®] 5000** Temperature Management System brings precision Targeted Temperature Management to the highest level of performance available today. The new touch screen interface guides clinicians to initiate treatment with a few steps. The **ARCTIC SUN[®] 5000** Temperature Management System enables:

- Fast initiation of treatment
- Simple programming capabilities
- Easy access to treatment data
- Comprehensive built-in training module



Indication for use:

The **ARCTIC SUN[®]** Temperature Management System is intended for monitoring and controlling patient temperature.



Performance

Time to Target

Enhanced chiller and precondition function

Precise Temperature Control

Enhanced treatment algorithm over the ARCTIC SUN® 2000 Temperature Management System

Improved Therapy Management

Patient trend indicator, instant status graph

Implementation

Rapid Clinician Training

Intelligent automation and built-in education tutorial

Treatment Consistency

Stores and operates hospital-specific protocols

Comprehensive Implementation Program

ARCTIC CIRCLE™ Clinical Resource Program



Quality Control & Safety

On-Screen Troubleshooting

Upgraded clinician alerts/safeguards

Optimizes Patient Safety

Noninvasive automated treatment

Therapy Tracking and Management

Access case data via USB port, stores last 10 cases

Cost Effectiveness

Clinician Training Costs

Simple intuitive system helps reduce need for repeat training

Patient Care

Automated therapy provides excellent clinician-to-patient ratio

Service and Maintenance

Easy to clean air filter, six month service cycle, modular construction, USB-delivered software upgrades



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The Evolution of Excellence

The ARCTIC SUN[®] 5000 Temperature Management System represents an accumulation of knowledge gained over the years with the ARCTIC SUN[®] Temperature Management System. Our engineering team has received continuous clinician input since the product's inception. The result, an intuitive product that defines a new standard in Targeted Temperature Management systems.



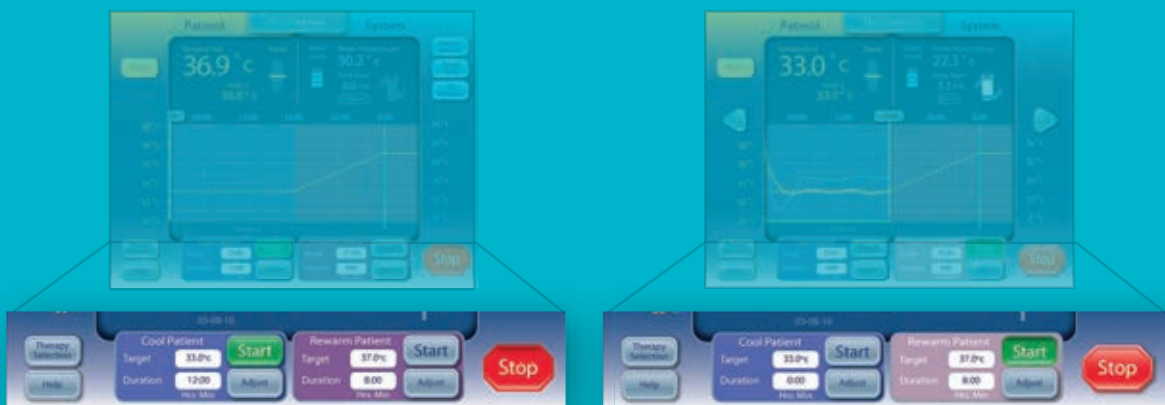
Initiate Treatment

- Select treatment
- Verify protocol
- Start treatment

Continue Current Patient

When a patient travels:

- Select Continue Current Patient
- Start treatment

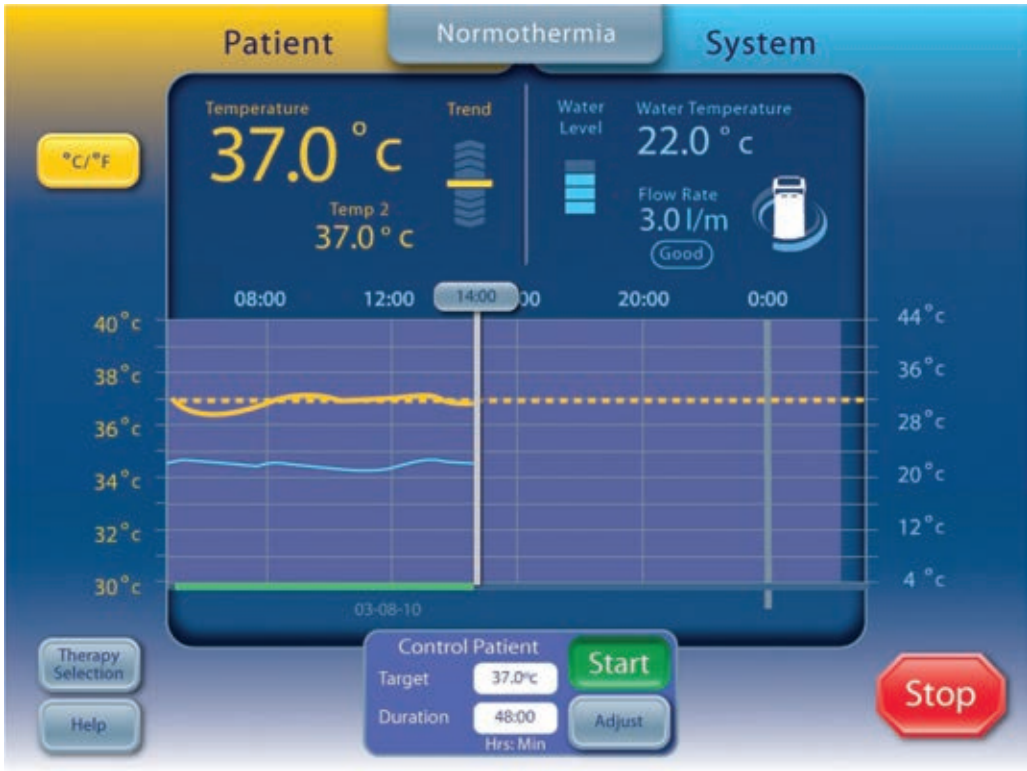


Stores and Operates Hospital Protocols

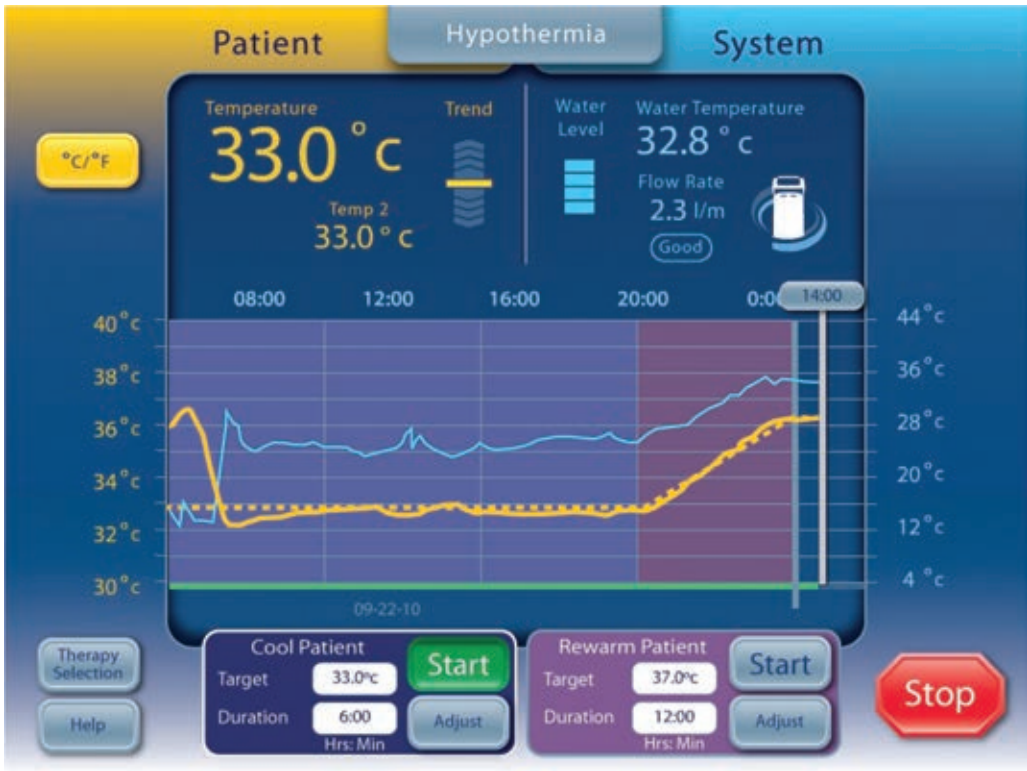
Preprogram hospital protocols for hypothermia and normothermia so device is ready to treat upon receipt of a patient

Simplified Rewarming

Option to initiate rewarming automatically following a cooling procedure



Normothermia Case



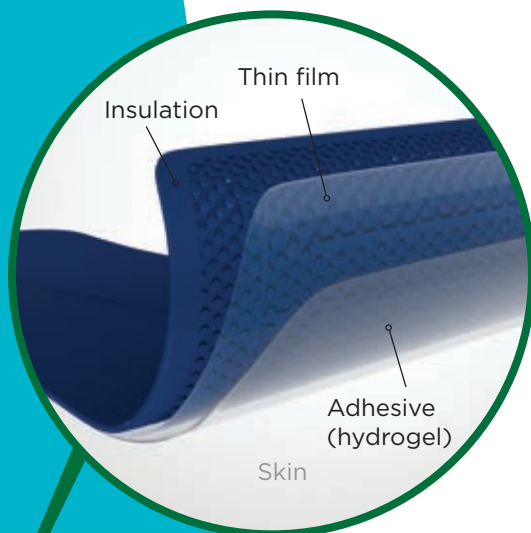
Hypothermia Case



ARCTICGEL™

HYDROGEL COATED PADS

The patented **ARCTICGEL™** Pads are the key component that sets the **ARCTIC SUN®** Temperature Management System apart from other cooling methods. The pads feature a thin hydrogel coating that ensures they maintain contact with the patient's skin throughout the treatment. The conductive property of the pads mimic water immersion.¹



*Patented
Three-Layered
Construction*



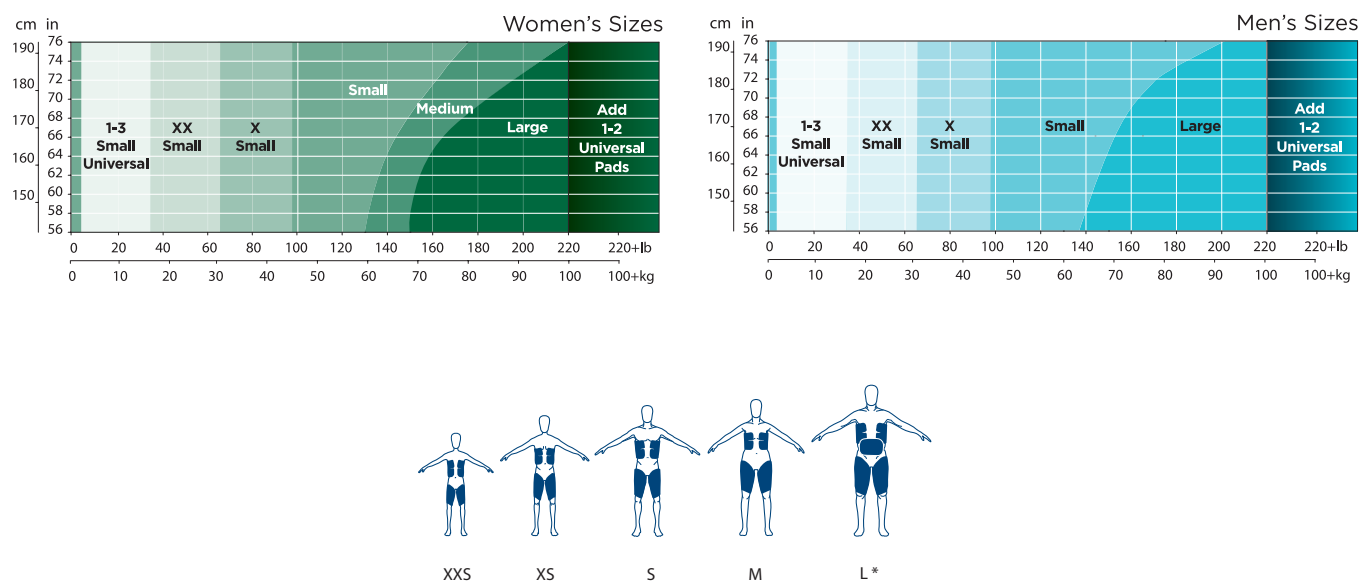
*High Density
Dimpled
Construction*

*Water Flow Rate
5 Liters/min*

ARCTIC SUN®
TEMPERATURE MANAGEMENT SYSTEM

*Do not place ARCTICGEL™ Pads
on skin that has signs of
ulcerations, burns, hives or rash.*

ARCTICGEL™ Pad Sizing Chart



Heat Transfer Efficiency

Hydrogel Adherence

Fully conductive energy transfer pads mimic water immersion¹

Patented Three-Layered Construction

Specifically designed to minimize thermal loss to the environment, provide rapid cooling and time sensitive control

Superior Control

- High velocity flow rate maximizes heat transfer
- High density dimpled construction supports heavier patient weight, prevents flow diversion

Quality Control & Safety

Rapid Patient Access

Pads allow for full access to groin and chest

LEAK PROOF™ Technology

If punctured, pads will not leak

Patient Compatibility

pH neutral and safe for MRI, CT scan, X-ray, cath lab and defibrillation

Cost Effectiveness

Nurse Initiated Therapy

Pads can be placed in minutes, treatment is automated

Efficient Therapy Administration

Pads work in concert with the ARCTIC SUN® Temperature Management System to carry out protocol with precision

Non-Invasive

Avoids risk of nosocomial infections associated with invasive cooling options

¹English MJ, et al. European Journal of Anesthesiology 2008; 25: 531-537

* Large Pads shown with optional Universal Pad

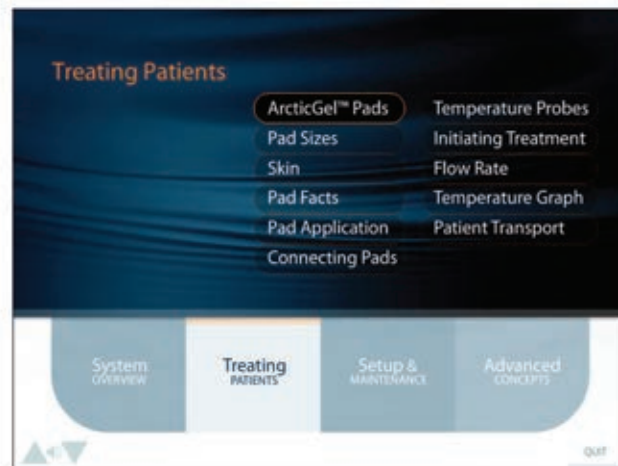
ARCTIC CIRCLE™

CLINICAL RESOURCE PROGRAM

The ARCTIC CIRCLE™ program is designed to create in-house expertise on the ARCTIC SUN® Temperature Management System and Targeted Temperature Management. To date, thousands of nurses have successfully completed the program and are now part of a community that is championing the use of Targeted Temperature Management in their institutions.



ARCTIC SUN®
TEMPERATURE MANAGEMENT SYSTEM



Computer-based Tutorial

Excellence in Education and Implementation

ARCTIC CIRCLE™ Training

Advanced education for hospital's therapy leaders

Computer-Based Learning

Comprehensive training on ARCTIC SUN® Temperature Management System and Targeted Temperature Management

Competency Checklists and Testing

Feedback training to accelerate therapy expertise

On-Going Support

24/7 Critical Care Helpline

Staffed by Critical Care Nurses

Training Materials

Reference guides, training aids and competency checklists to facilitate peer-to-peer learning

The 24/7 Helpline is intended to assist healthcare professionals with technical questions they may have regarding the use of the ARCTIC SUN® Temperature Management System. While the Helpline is staffed by licensed critical care nurses, they are not able to provide medical or nursing advice or to prescribe treatment.

Specifications

ARCTIC SUN [®] Temperature Management System	Parameter
Therapy Modes	Normothermia: Control Patient Hypothermia: Cool Patient, Rewarm Patient
Heater Capacity	2500 BTU/hr / 750 Watts
Circulating Fluid	Distilled or Sterile Water
Reservoir Capacity	3.5 liters
Water Flow Rate	5 liters per minute
Patient Probe Type	YSI 400 Series compatible
Patient Temperature Inputs	Patient Temp 1: control, monitor, alarm Patient Temp 2: monitor, alarm
Patient Temperature Display Range	10°C to 44°C 50°F to 111.2°F 0.1°C / °F increments
Patient Temperature Measurement Accuracy	30.4°C (10°C to 32°C) 30.2°C (32°C to 38°C) 30.4°C (38°C to 44°C) Includes 3°0.1C external probe
Patient Temperature Control Range	32°C to 38.5°C 89.6°F to 101.3°F 0.1 °C/°F increments
Water Temperature Display Range	3°C to 45°C / 37.4°F to 113.0°F 1 °C/°F increments
Water Temperature Control Range (Manual)	4°C to 42°C / 39.2°F to 107.6°F 0.1 °C/°F increments
High Water Temperature Limit	36°C to 42°C / 96.8°F to 107.6°F 1 °C/°F increments
Low Water Temperature Limit	4°C to 25°C / 39.2°F to 77°F 1 °C/°F increments
Mains Input	115 VAC, 60 Hz, 11.0 Amp (nominal) 230 VAC, 50 Hz, 5.5 Amp
Leakage Current	<300 QA
Operating Relative Humidity Range	5% to 70% non-condensing
Storage Relative Humidity Range	5% to 95% non-condensing
Operating Temperature Range	10°C to 27°C / 50°F to 80°F
Storage Temperature Range	-30°C to 50°C / -20°F to 120°F
Dimensions	Height: 35 inches (89 cm) Width: 14 inches (36 cm) Depth: 18.5 inches (47 cm)
Weight	Empty: 43 kg / 95 lbs ; Filled: 47 kg / 103 lbs
ARCTICGEL[™] Pads	Replace pads when hydrogel no longer uniformly adheres to the skin
Duration	Replacing pads at least every 5 days is recommended
Opacity	Radiolucent & safe for MRI, CT Scan, X-Ray, Cath Lab

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Height	35"	89cm
Width	14"	36cm
Depth	18.5"	47cm
Weigth Empty	95 lbs.	43 kg
Weight Filled	103 lbs.	47 kg

Warnings:

Do not use the ARCTIC SUN[®] Temperature Management System in the presence of flammable agents because an explosion and/or fire may result.

Do not use high frequency surgical instruments or endocardial catheters while the ARCTIC SUN[®] Temperature Management System is in use.

Please consult product labels and inserts for any hazards, contraindications, warnings, cautions and direction for use.

Item Number	Description
5000-00-00	ARCTIC SUN [®] 5000 Temperature Management System
752-00	ARCTIC SUN [®] 5000 System Cover
317-02-02	ARCTICGEL [™] Pad-Extra Extra Small (2 kits/case)
317-03-02	ARCTICGEL [™] Pad-Extra Small (2 kits/case)
317-05-02	ARCTICGEL [™] Pad- Small (2 kits/case)
317-07-02	ARCTICGEL [™] Pad-Medium (2 kits/case)
317-09-02	ARCTICGEL [™] Pad-Large (2 kits/case)
317-00-04	ARCTICGEL [™] Pad-Universal (4 pads/case)
318-01-04	ARCTICGEL [™] Pad-Small Universal (4 pads/case)
741-00	Calibration Test Unit
EXT-Warr-1	Extended Warranty 1 Year
EXT-Warr-2	Extended Warranty 2 Year



Please consult product inserts and labels for any indications, contraindications, hazards, warnings, cautions and directions for use.



For ordering information, contact:

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