



For those committed to providing every appropriate neonatal patient the interventions they deserve.

BD™ TTM Solution



Temperature is at the very core of the body's ability to function—and fast, precise action with targeted temperature management (TTM) can be an important intervention for some critically ill patients. How can you ensure you're doing everything you can for these patients?

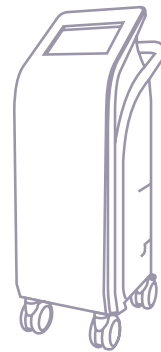
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The BD™ TTM Solution provides your team the confidence to implement a sustainable and scalable TTM program.



# A successful TTM program requires more than technology.

The BD™ TTM Solution offers ongoing clinical and operational support through analytics and product training. Together with the technology in the Arctic Sun™ Stat Temperature Management System and ArcticGel™ Pads, these offerings are designed to help you deliver timely TTM for all appropriate patients.



Arctic Sun™ Stat  
Temperature Management System



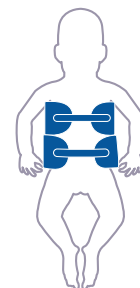
Arctic Sun™ Product Training



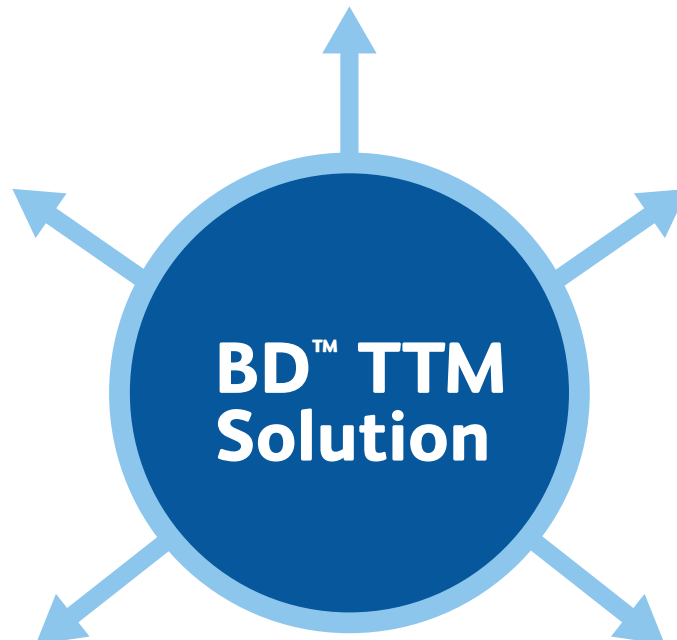
Arctic Sun™ System Analytics



Arctic Sun™ Services



ArcticGel™ Pads



**BD™ TTM  
Solution**

Designed to precisely control patient temperature.

## Arctic Sun™ Stat Temperature Management System

The Arctic Sun™ Stat Temperature Management System offers a way to non-invasively control temperature within a narrow range for all appropriate patients. It is the technology at the heart of the BD™ TTM Solution.





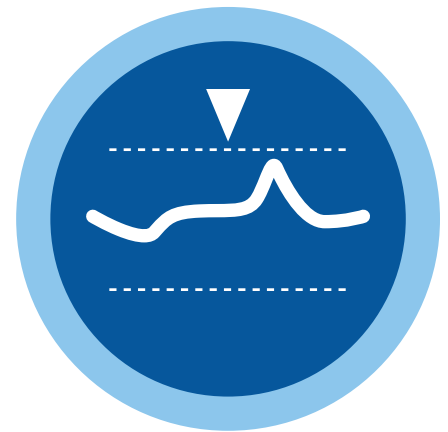
# Patient Temperature Trend Indicator

The Patient Temperature Trend Indicator reflects the rate of change in the patient's temperature over the previous five minutes. When assessing a patient, the practitioner may refer to the Patient Trend Indicator for insight into patient heat generation.



## Monitor mode

For patients being treated with Normothermia, clinicians can set upper and lower temperature limits. The Arctic Sun™ Stat Temperature Management System will continuously monitor the patient's temperature and alert the clinician when the temperature exceeds the bounds (manual mode) or automatically start therapy (automatic mode).



## WiFi connectivity

Transmit data to your EMR.  
(EMR interoperability purchased separately)

Customizable outputs including:

- Patient temperature
- Water temperature
- Therapy mode
- Work to cool
- Device identifier
- Water flow rate



## Updated ergonomics

Human factors analysis of the previous generation of the Arctic Sun™ System led to the updated ergonomic design of the Arctic Sun™ Stat Temperature Management System.

- Cord management
- Handle height and design
- Screen viewing angle



Allowing clinicians and hospital administrators to review cases and track trends within their system/hospital.

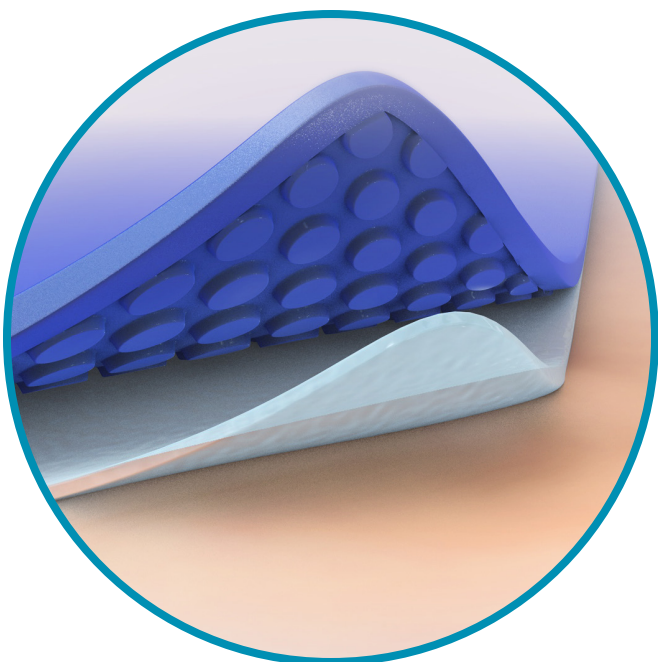
### Arctic Sun™ Analytics

Arctic Sun™ Analytics is designed to support data-driven decision making.

- The Arctic Sun™ Stat Temperature Management System captures data throughout the course of therapy and stores the last 10 cases.
- This subscription service includes dedicated time with one of our Clinical Managers to interpret your hospital specific data.



With patented hydrogel technology, ArcticGel™ Pads are a non-invasive solution that helps achieve precise core temperature control.



### ArcticGel™ Pads

ArcticGel™ Pads offer a comprehensive portfolio of temperature management solutions for any size patient – neonate to adult.

The ArcticGel™ Pad's proprietary hydrogel provides constant contact with the skin throughout therapy.

# Supporting the successful implementation and ongoing sustainability of your TTM program.

## Arctic Sun™ Product Training

A program that supports the development of sustainable TTM programs. BD can help customers support the development and maintenance of staff competency on the Arctic Sun™ Temperature Management System.

## 24/7 Urgent Clinical Support

This helpline is intended to assist healthcare professionals with technical questions regarding the use of the Arctic Sun™ Temperature Management System.



## Arctic Sun™ Service



## Arctic Sun™ Service

We've designed a range of service plans to ensure your Arctic Sun™ Stat Temperature Management Systems are well-maintained and ready to support your use of Targeted Temperature Management (TTM). A range of options are available so you can choose the option that best fits your budget and Biomed capabilities.

## Indications for use

The Arctic Sun™ Temperature Management System is a thermal regulating system, indicated for monitoring and controlling patient temperature in adult and pediatric patients of all ages.

### Contraindications

- There are no known contraindications for the use of a non-invasive thermoregulatory system.
- Do not place ArcticGel™ Pads on skin that has signs of ulcerations, burns, hives or rash.
- Do not remove the fabric release liner of the Neonatal ArcticGel™ pad and expose the hydrogel.
- Do not place ArcticGel™ Pads on immature (non-keratinized) skin or premature babies.
- While there are no known allergies to hydrogel materials, caution should be exercised with any patient with a history of skin allergies or sensitivities.

### Warnings

- When using the Arctic Sun™ Temperature Management System, note that all other thermal conductive systems, in use while warming or cooling with this device may interfere with patient temperature control.
- The Arctic Sun™ Temperature Management System is not intended for use in the operating room environment.
- Medivance supplies temperature simulators (fixed value resistors) for testing, training and demonstration purposes. Never use this device, or other method, to circumvent the normal patient temperature feedback control when the system is connected to the patient. Doing so exposes the patient to the hazards associated with severe hypo- or hyper-thermia.

### Cautions

- Due to underlying medical or physiological conditions, some patients are more susceptible to skin damage from pressure and heat or cold. Patients at risk include those with poor tissue perfusion or poor skin integrity due to edema, diabetes, peripheral vascular disease, poor nutritional status, steroid use or high dose vasopressor therapy. Examine the patient's skin under the ArcticGel™ Pads.
- Skin injury may occur as a cumulative result of pressure, time and temperature.
- Carefully remove ArcticGel™ Pads from the patient's skin at the completion of use. Aggressive removal or removal of cold Pads from the patient's skin may result in skin tears.
- The rate of temperature change and potentially the final achievable patient temperature is affected by many factors. Treatment application, monitoring and results are the responsibility of the attending physician. If the patient does not reach target temperature in a reasonable time or the patient is not able to be maintained at the target temperature, the skin may be exposed to low or high water temperatures for an extended period of time which may increase the risk for skin injury.

Please consult package insert for more detailed safety information and instructions for use.

Federal Law (USA) restricts this device to sale by or on the order of a physician.

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