

# BLANKETROL® III

*Hyper-Hypothermia System with Active Cooling Technology*



**THE BLANKETROL® III IS A SOLUTION TO THE CHANGING NEEDS OF THE HYPER-HYPOTHERMIA MARKET.**

- “Gradient Temperature Technology” allows for rapid or gradual heating & cooling
- Has 3 hose connectors, while other competitor products only have 2 hose connectors
- Internal by-pass (pre-warming & pre-cooling of water in the unit)
- Provides therapy in several departments of the hospital as needed

The Blanketrol® III’s “Gradient Temperature Technology” has programmable and pre-set variable gradient temperature selection. It can be utilized in both the cooling and heating mode, allowing for rapid or gradual patient temperature management control.

The Blanketrol® III, coupled with the Kool-Kit®, provides an effective method for Whole Body Cooling. This application of patient cooling allows for treatment that is fast, cost-effective, and easy to use.

*Cincinnati Sub-Zero has been managing your patient temperature needs for over 45 years.*

**CSZ**  
Cincinnati Sub-Zero

# THERAPEUTIC HYPOTHERMIA

When it comes to improving patient outcomes,  
a few degrees can make all the difference.

Recent studies have demonstrated that careful control of body temperature in patients with neurologic injury can improve clinical outcomes:

- Whole body hypothermia reduces the risk of death or disability in infants with moderate or severe hypoxic-ischemic encephalopathy.<sup>1</sup>  
~The New England Journal of Medicine
- When comparing cooling methods, temperature decline has been shown to be significantly higher with water-circulating blankets compared to traditional methods.<sup>2</sup>  
~Critical Care

**Blanketrol® III...offers a cost-effective and convenient way to cool and warm your patients.**

- The Blanketrol® III offers simple programmable temperature management while still keeping the control in the hands of the caregiver.
- A higher flow rate combined with ease of application results in tight control of temperature for time-sensitive therapies.
- The innovative gradient program minimizes fluctuations in water temperature and maintains a stable patient temperature.



1. Shankaran, Seetha, et al. "Whole-Body Hypothermia for Neonates with Hypoxic Ischemic Encephalopathy." The New England Journal of Medicine 353 (2005): 1574-1584.

2. Hoedemaker, cornelia W., et al. "Comparison of Cooling Methods to Induce & Maintain Normo- and Hypothermia in Intensive Care Unit patients: a prospective intervention study." Critical Care 11 (2007): R91.

# CSZ's KOOL-KIT® & BLANKETROL III®

When it's time to cool, CSZ offers an effective solution with its Blanketrol® III and the Kool-Kit®.

This temperature management system provides an effective alternative to traditional patient cooling techniques. Our revolutionary system combines the SMART technology of the Blanketrol® III with the body surface area coverage of the Kool-Kit® for a non-invasive whole-body temperature management solution.

The Kool-Kit® includes a Head Wrap, Patient Vest and Lower Body Blanket to maximize coverage and temperature accuracy. The Kool-Kit® provides caregivers ready access to their patients, and helps administer temperature management and controlled re-warming for each patient. This method of cooling allows for early treatment that is fast, cost-effective and dependable.

## **EASY**

*The Kool-Kit® incorporates Velcro® on the Head Wrap and Patient Vest, with no adhesive or cumbersome wrapping required, making application fast and easy.*

## **VERSATILE**

*Each piece is fully adjustable, allowing for easy access to skin, IV lines, EKG pads as well as other monitoring devices, and can be used on most patients.*

## **EFFECTIVE**

*With approximately 66% body surface coverage<sup>1</sup>, the Kool-Kit® offers increased temperature transfer due to its unique design.*



1. Data on file at Cincinnati Sub-Zero

# BLANKETROL® III

Hyper-Hypothermia System with Active Cooling Technology

| Ordering Information   |  |             |
|--|--|-------------|
| Cat. No.   | Description  | Quantity    |
| 233  | Blanketrol® III  | 115v & 230v |
| 286  | 9' Reusable Connecting Hose (2.7m)   | ea.         |
| 286-18   | 18' Reusable Connecting Hose (5.5m)  | ea.         |
| 286-27   | 27' Reusable Connecting Hose (8.2m)  | ea.         |
| Kool-Kits® (Must purchase 286 hoses separately to use Kool-Kits with Blanketrol® III)                          |  |             |
| 900  | Kool-Kit® (1 head wrap, 1 patient vest, 1 lower body blanket)  | 5/carton    |
| 910  | Kool-Kit® Head Wrap (1 head wrap, 1 lower body blanket)  | 5/carton    |
| 920  | Kool-Kit® Patient Vest (1 patient vest, 1 lower body blanket)  | 5/carton    |
| 950  | Kool-Kit® Neonate (1 Maxi-Therm® Lite blanket, 1 9Fr general purpose probe, 1 set pink mittens, 1 set blue mittens, 1 set white socks) (NOT AVAILABLE INTERNATIONALLY) | 5/carton    |
| Gelli-Roll® (Must purchase 286 hose separately to use blankets with Blanketrol® III)                           |  |             |
| 195P   | Gelli-Roll® - Adult 73.5in x 21.5in x .625in (186.7cm x 54.6cm x 1.6cm)  | ea.         |
| 194P   | Gelli-Roll® - Pediatric 31.25in x 23.75in x .625in (79.4cm x 60.3cm x 1.6cm)   | ea.         |
| 193P   | Gelli-Roll® - Infant 20in x 13in x .625in (50.8cm x 33cm x 1.6cm)  | ea.         |
| Maxi-Therm® Lite Blankets (Must purchase 286 hose separately to use blankets with Blanketrol® III)             |  |             |
| 876  | Maxi-Therm® Lite - Adult 64in x 25in (162.6cm x 63.5cm)  | 10/carton   |
| 874  | Maxi-Therm® Lite - Pediatric 33in x 25in (83.8cm x 63.5cm)   | 10/carton   |
| 873  | Maxi-Therm® Lite - Infant 18in x 12.5in (45.7cm x 31.8cm)  | 10/carton   |
| PlastiPad® - reusable blankets (supplied with 9' hoses and Quick-Disconnect Couplings, except #195N & 193 CPC) |  |             |
| 196  | PlastiPad® - Adult 60" x 24" (152.4cm x 61cm)  | ea.         |
| 195N   | PlastiPad® - Narrow Adult 60" x 22" (152.4cm x 55.9cm)   | ea.         |
| 194  | PlastiPad® - Pediatric 30" x 22" (76.2cm x 55.9cm)   | ea.         |
| 193 CPC  | PlastiPad® - Infant (including CPC connectors) 18" x 12" (45.7cm x 30.5cm)   | ea.         |
| 193  | PlastiPad® - Infant 18" x 12" (45.7cm x 30.5cm)  | ea.         |
| 186  | 9' Blanket Extension Hose with Couplings (2.7m)  | ea.         |
| Testing Accessories  |  |             |
| TFRW   | Tri-Matic - Temperature, Flow, Resistance Tester   | ea.         |
| TM6  | Hose Assembly  | ea.         |
| TM4A   | Probe Extension Cable  | ea.         |
| UMC-1  | Universal Mounting Clamp   | ea.         |
| Reusable Temperature Probes - YSI 400 Series   |  |             |
| 401  | Adult Esophageal/Rectal Temperature Probe  | ea.         |
| 402  | Infant Esophageal/Rectal Temperature Probe   | ea.         |
| 408  | Banjo Surface Temperature Probe  | ea.         |
| 409  | Attachable Surface Temperature Probe (tapes on skin)   | ea.         |
| 440  | Probe Extension Cord - 10' (3m)  | ea.         |
| Steri-Probes® - Disposable Temperature Probes  |  |             |
| 491B   | Esophageal/Rectal Probe  | 20/box      |
| 499B   | Skin Surface Probe   | 20/box      |
| 4900B  | Reusable Connector Cable   | ea.         |

## Product Specifications:

### Dimensions:

17" W x 17" D x 37.5" H  
(43.2cm x 43.2cm x 95.3cm)

Weight: 131 lbs. (59.4kg)

### Water Temperature Range:

4°C-42°C (39.2°F-107.6°F)

### Patient Temperature Controller:

30°C-40°C (86°F-104°F)

### High Control Setting Water:

42°C (107.6°F)

### Low Control Setting Water:

4°C (39.2°F)

### Primary Safety:

44.6°C ±2°C (112°F ±4°F)

### Secondary Safety:

46°C ±2°C (115°F ±4°F)

### Flow Rate:

42 Gallons (159 L) per hour (115v)  
36 Gallons (136.3 L) per hour (230v)



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