



**BELMONT  
MEDICAL  
TECHNOLOGIES**  
Saving Lives. Together.

# CRITICOOL®

Safe, Precise, and Effective<sup>1,2</sup>

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TARGETED TEMPERATURE MANAGEMENT



## TARGETED TEMPERATURE MANAGEMENT



INFANT



PEDIATRIC



ADULT

## CRITICOOL®

CritiCool® is a thermal regulating system indicated for maintaining pre-set body temperature as determined by a physician. The system is composed of two elements, the CritiCool device and CureWrap® garment.

The CritiCool device functions as a control unit for use with CureWrap. The control unit reads the patient's core temperature through specific probes every 133 milliseconds and adjusts temperature as necessary in order to maintain the physician determined pre-set temperature settings.

The cooling/heating pump brings the water to the temperature set point and circulates it in a closed-loop system through the uniquely designed CureWrap.

### FAST. SIMPLE. PRECISE.

- Accurate temperature control as set by the physician
- Full-color, touch-screen display
- Simple, easy to use interface with intuitive controls
- Real-time monitoring and graphical display of temperature measurements
- Quick and easy setup
- Track data using the CliniLogger™

## CUREWRAP®

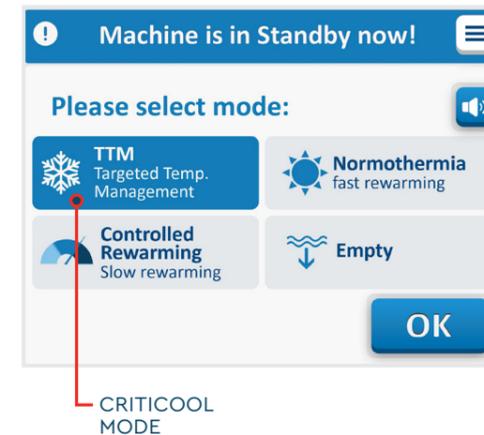
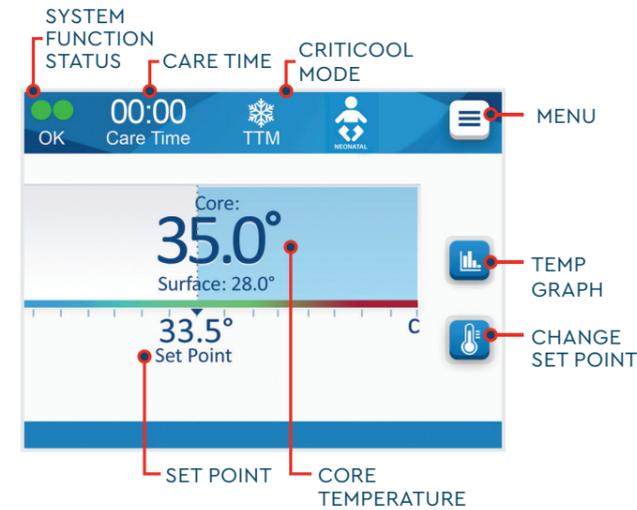
CureWrap is a single use, one-piece flexible garment that acts in conjunction with the CritiCool control unit. The CureWrap garment's flexible configurations facilitate the wrapping of individual parts of the body to maximize surface coverage.

CureWrap is designed to conveniently attach to the control unit using Quick Coupling Connectors (QCC) that allow for inflow and outflow. Integrated channels within the suit-like garment circulate water in a closed-loop system over a large surface area.

CureWrap is secured via pressure sensitive adhesive strips which adhere to the garment, and not the patient.

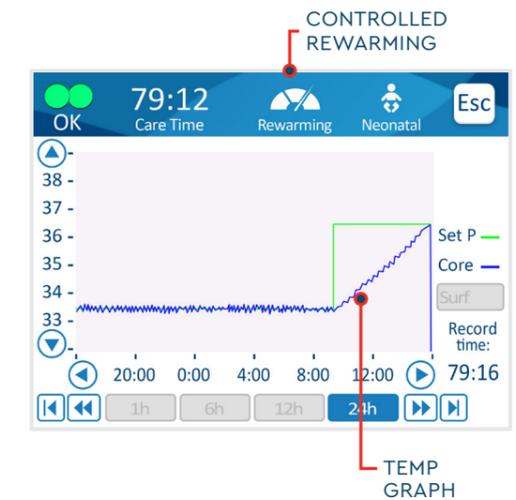
### DESIGNED WITH YOUR PATIENT IN MIND

- One-piece body shaped garment with various sizes and configurations
- CureWrap provides up to 80% surface area coverage
- Soft mesh that is easy to wrap and secure
- Clutter-free with only one pair of connecting tubes



## TARGETED TEMPERATURE MANAGEMENT HAS NEVER BEEN EASIER

- +** SET  
Select the desired temperature set point
- 👉** WRAP  
Apply the CureWrap garment
- ❄️** COOL  
Initiate fast cooling
- 🔥** REWARM  
Manage controlled rewarming mode



CureWrap is available in a range of sizes and designs to accommodate your patient's anatomy:

WRAP TYPE	PACK TYPE	PART NUMBER	QUANTITY PER BOX	PATIENT HEIGHT/WEIGHT	WRAP LENGTH/WIDTH (M)
Infant	Single Size	508-03518	8	2.5 to 4 kg (5.5- 8.8 lb)	0.659 / 0.448
		508-03521	8	4-7 kg (8.8-15.4 lb)	0.698 / 0.602
Pediatric (Small)	Assorted Sizes	PED-SM008	8	(x4) 2.5 to 4 kg (5.5- 8.8 lb)	0.659 / 0.448
			(multi-size)	(x4) 4-7 kg (8.8-15.4 lb)	0.698 / 0.602
Pediatric (Medium)		PED-MD008	8	(x4) 7-11 kg (15.4-24.3 lb)	0.981 / 0.628
			(multi-size)	(x4) 79-91 cm (31-36")	1.118 / 0.740
Pediatric (Large)		PED-LA008	8	(x4) 91-104 cm (36-41")	1.225 / 0.841
	(multi-size)		(x4) 104-122 cm (41-48")	1.390 / 1.054	
Pediatric (X-Large)	PED-XL008	8	(x4) 122-135 cm (48-53") (x4) Over 135 cm (Over 53")	1.582 / 1.193 2.030 / 1.354	
Adult	Single Size	508-03500	8	Over 135 cm (Over 53") Fits most adults	2.030 / 1.354

1 Stafford et al.: Therapeutic Hypothermia During Neonatal Transport: Active Cooling Helps Reach the Target. THERAPEUTIC HYPOTHERMIA AND TEMPERATURE MANAGEMENT 2016.  
2 Glover et al.: Intravascular versus surface cooling for targeted temperature management after out-of-hospital cardiac arrest - an analysis of the TTM trial data. Critical Care 2016 20:381.

## ORDERING INFORMATION

### CONTROL UNIT

CritiCool® (115V)	Part #100-00003
CritiCool® (230V)	Part #100-00004
CritiCool® (100V)	Part #100-00007

### CRITICOOL ACCESSORY KIT (Select one only for each CritiCool unit)

#### INFANT KIT FOR DISPOSABLE TEMPERATURE SENSORS **Part #200-00330**

The Infant Kit contains:

- Core Adapter Cable Part #014-00028
- Surface Adapter Cable Part #014-00129
- Connecting Water Tubes (2 by 2 way) Part #200-00109

#### ADULT KIT FOR DISPOSABLE TEMPERATURE SENSORS **Part #200-00310**

The Adult Kit contains:

- Core Adapter Cable Part #014-00028
- Surface Adapter Cable Part #014-00129
- Connecting Water Tubes (2 by 3 way) Part #200-00147

Note: Disposable Temperature Probes must be ordered separately.

### REUSABLE KITS: (NOT AVAILABLE IN THE UNITED STATES)

#### INFANT REUSABLE KIT **Part #200-00320**

The Infant Kit contains:

- Reusable Core Temperature Probe, Infant Part #014-00005
- Reusable Surface Temperature Probe Part #014-00021
- Filter unit Part #200-R0130
- Connecting Water Tubes (2 by 2 way) Part #200-00109

#### ADULT REUSABLE KIT **Part #200-00300**

The Adult Kit contains:

- Reusable Core Temperature Probe, Adult Part #014-00020
- Reusable Surface Temperature Probe Part #014-00021
- Filter unit Part #200-R0130
- Connecting Water Tubes (2 by 3 way) Part #200-00147

### ACCESSORIES

Disposable Core Temperature Probe, 7FR	Part #014-00036
Disposable Core Temperature Probe, 9FR	Part #014-00038
Disposable Surface Temperature Probe	Part #014-00321
CliniLogger	Part #017-00250
Temperature Splitter Kit	Part #200-01200

The Temperature Splitter Kit contains:

- One (1) Temperature Splitter
- Two (2) Temp-Out Adapter Cables Part #014-00012

Note: For Temperature Splitter Kit, an additional Core Adapter Cable (Part# 014-00028) is required and must be ordered separately.

Note: Connecting Water Tubes (2 by 3 way) (Part #200-00147) is required for Pediatric X-Large CureWrap (Part #PED-XL008) and for Adult CureWrap (Part #508-03500).

## HARDWARE SPECIFICATIONS

### HEAT EXCHANGERS

Peltier Technology (TECs)

### WATER TANK

Sterile or 0.22 micron filtered tap water  
Tank Capacity: 6 liters (1.6 gal.)

### WATER TEMPERATURE

Water Temperature Accuracy:  $\pm 0.3^{\circ}\text{C}$  (0.54°F)  
Water Temperature (outflow): 13–40.8°C (55.4–105.4°F)

### PUMP

Water Circulating Pump  
Pump Rate: 1.2 L/min  
Protected by 263 micron filter

### PATIENT TEMPERATURE CHANNELS

2 Channels: Core, Surface  
Sensor Temperature Range: 15°C to 44°C (59°F to 111.2°F)  
Sensor Temperature Accuracy:  $\pm 0.3^{\circ}\text{C}$  (0.45°F)

### TEMPERATURE AND PRESSURE SENSORS

System Sensors:

- 3 Internal Temperature Sensors: Water in, Water out, Thermostat
- 2 Pressure sensors

Safety Measures:

- Over pressure protection and alarm
- High water temperature protection and alarm

### PHYSICAL DIMENSIONS

Mobile unit with 4 wheels and 2 brakes  
260 mm W x 625 mm D x 940 mm H /  
(10.23" W x 24.6" D x 37" H)

### NET WEIGHT

34 kg / 75 lb

### ELECTRICITY INPUT POWER

230/115 VAC with isolation transformer 50/60Hz  
100 VAC with isolation transformer 50/60Hz

### MAXIMUM CURRENT

115 VAC 4.8A–5A  
230 VAC 2.5A–3A  
100 VAC 6A–6.6A

### LCD DISPLAY

Size: 5.7" color display  
Resolution: 320x240

### CUREWRAP

Single Patient Use

For more information about the products we offer,  
contact us at [sales@belmontmedtech.com](mailto:sales@belmontmedtech.com).



PATIENT  
WARMING



TEMPERATURE  
MANAGEMENT



FLUID  
MANAGEMENT



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