

The Optimal Solution for Target Temperature Management

An integral part of the CritiCool system.

The water temperature is regulated according to feedback from Core and surface temperature sensors.

- One-Piece** 3 layer design guarantees close and safe contact with patient's skin  
Body shaped garment facilitates wrapping  
Covers the Patient in a suit-like matter
- 85% body area coverage** Optimal conductive energy transfer
- Maximum heat transfer** High velocity flow rate for maximum heat transfer
- Precision** Thermo-regulates in concert with CritiCool
- Soft mesh garment** Biocompatible, Latex free, Irritation free
- Uncomplicated** Easy to secure and unfastened
- Re-apply** Permits patient handling and skin supervision
- Anywhere, Anytime** Safe in X-ray, Cath Lab, CT scan, MRI and during defibrillation
- Non Invasive** No risk of complications associated with invasive cooling options
- Disposable** No infection issues

We fit all >>>

CW	Type	P/N	Box (Units)	Patient Size/ Weight	Wrap Height/Width (m)
Cure Wrap	Adult	508-03500	Box (X8)	168-180cm (over 66")	2.030/1.354
	Infant	508-03518	Box (X8)	Up to 4Kg	0.659/0.448
		508-03521	Box (X8)	4-7Kg	0.698/0.602
Pediatric Cure Wrap	Small	PED-SM008	Box (x8; multi size)	Up to 4Kg (X4), 4-7Kg (X4)	0.659/0.448 0.698/0.602
	Medium	PED-MD008	Box (x8; multi size)	7-11 Kg (X4), 79-91cm (X4)	0.981/0.628 1.118/0.740
	Large	PED-LA008	Box (x8; multi size)	91-104cm (X4), 104-122 cm (X4)	1.225/0.841 1.390/1.054
	X-Large	PED-XL008	Box (x8; multi size)	122-135cm (X4), Over 135cm (X4)	1.582/1.1193 2.030/1.354

Pediatric CureWrap



Infant CureWrap



Adult CureWrap



CritiCool Transportation Kit Unit

The CritiCool can be assembled easily in an Ambulance or Helicopter to enable easy transfer of critical Patients during TTM.

The kit is composed of 3 components:

1. Ambulance Floor Bracket Assembly
2. Trolley Assembly
3. CritiCool Lower Lock Mount Assembly



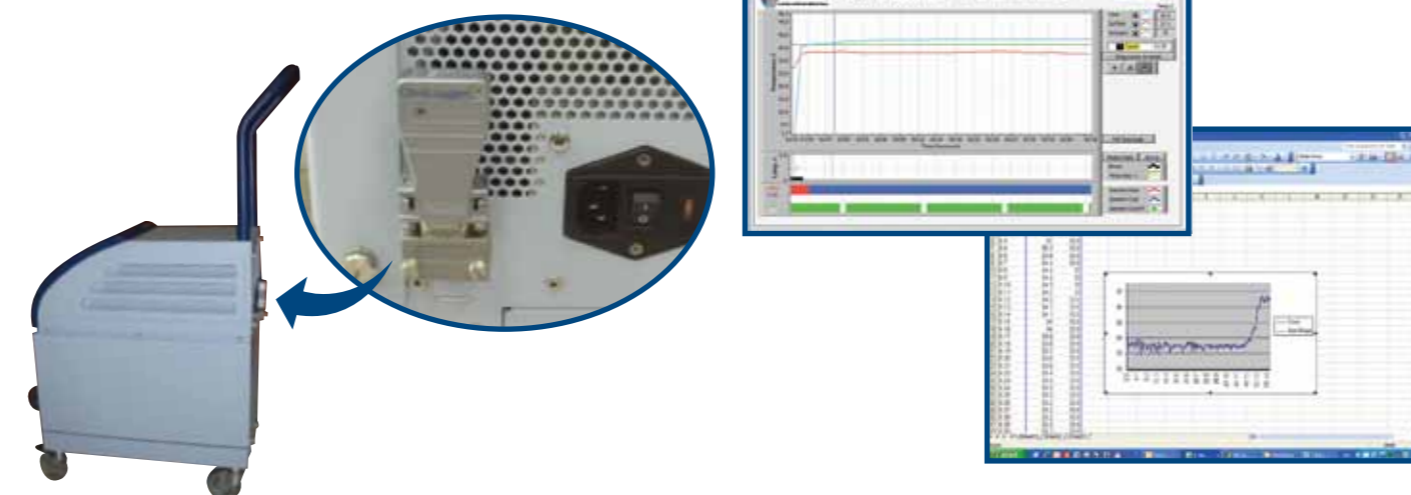
CliniLogger

Collect data from the CritiCool, thus enabling to see charts and graphs of the Thermo-regulation data.

CliniLogger Viewer

A software package, supplied with the CliniLogger, to review and record the whole Thermo-regulation treatment.

Patient's temperature, machine modes, alarms, target temperature etc. can be analyzed for post treatment review and training, on your PC.



Innovative ThermoRegulation Solutions



## Target Temperature Management Facts<sup>1</sup>

### TTM is the coolest treatment for Brain Protection

TTM is used for Neuro-protection in various clinical settings post brain ischemia.

The protective effects are multiple:

- Reduction of cerebral metabolism, oxygen consumption and glucose demand
- Slowing of the destructive neuro-excitatory process
- Decrease of free radical production
- Stabilization of the Blood-Brain-Barrier
- Reduction of the cerebral inflammatory process

### TTM Improves Neurological Outcome and Reduces Mortality

Clinical Studies show that TTM is a fundamental treatment component in:

**Cardiac Arrest** – According to the ILCOR, ERC and AHA guidelines Therapeutic Hypothermia for 12h-24h has become routine practice in medical centers worldwide For Cardiac Arrest survivors <sup>2-4</sup>.

**Birth Asphyxia and Ischemic Encephalopathy**- Induced hypothermia significantly improves survival and neurodevelopment outcome of neonates with Hypoxic Ischemic Encephalopathy (HIE). Clinical trials state that "term or near term with evolving moderate to severe hypoxic-ischemic encephalopathy should be offered therapeutic hypothermia" for up to 72 hours <sup>5</sup>.

**Traumatic Brain Injury (TBI)** - Studies have shown that hypothermia induction results in improved patient outcome by significantly reducing ICP and limiting secondary brain injury <sup>6-7</sup>.

**Stroke** Several small studies have shown the safety and higher survival rate of Hypothermia in Stroke patients. Large Trials are under way to further assess the effects of cooling in Ischemic Stroke patients <sup>6-7</sup>.

## CritiCool System

### The Most Effective Non-Invasive Approach to Target Temperature Management (FDA Cleard)

#### Fast. Simple. Precise.

##### Fast

- CritiCool is the Optimal solution for early initiation of TTM

##### Simple

- Simple graphic user interface
- Small system, easy transport

##### Precise Control

- Precise TTM to programmed Set Point temperature
- Automatic temperature regulation and monitoring
- Stable temperature control

### TTM has never been Easier!

#### Set. Wrap. Cool

##### Set

- Intuitive and simple settings of temperature

##### Wrap

- Apply the CureWrap garment

##### Cool & Rewarm

- Cool fast
- Step wise rewarming
- Automatic and Controlled

## NEW COLOR SCREEN\*

- Improved interface (GUI)
- Larger screen
- Easy to operate
- Touch Screen
- Expanded options of temperature graphical viewing



## CritiCool Pro System

### An Integrated Temperature Management & Patient Monitoring System (FDA Cleared)

### The CritiCool Pro combines all the advantages of CritiCool with Mennen Medical's VitaLogik Patient Monitor



#### Monitor

Complete Vital Signs and Waveforms, displayed on a 12" high resolution display Colorful, Touch-Screen display

#### Extensive storage capability

Full disclosure, Charts, Trends and Event Strips. Alarms with status messages of all vital signs and parameters can be configured to the needs of the medical staff.

#### Treat

Precise Therapeutic Target Management Slow and Gradual Rewarming

Comprehensive Hypothermia workstation Increase staff convenience

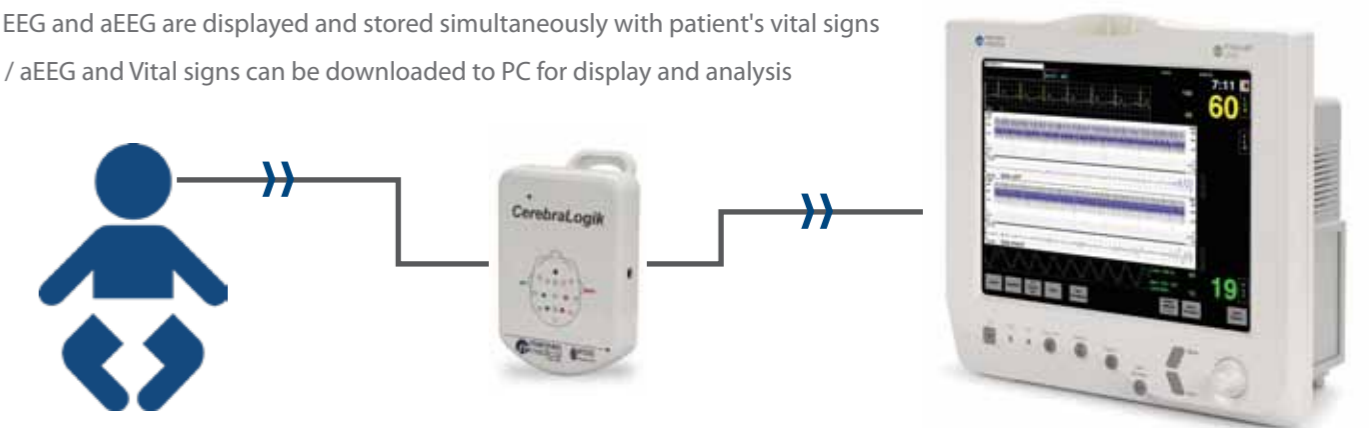
### Patient Monitor Option

### CerebraLogic – Front End EEG Amplifier & aEEG by Mennen Medical (FDA cleared)

CerebraLogic : 2 channel EEG / aEEG – "Amplitude Integrated EEG"

The EEG and aEEG are displayed and stored simultaneously with patient's vital signs

EEG / aEEG and Vital signs can be downloaded to PC for display and analysis



1. Continuing Education in Anaesthesia, Critical Care & Pain | Volume 6 Number 1 2006 Clinical applications of induced hypothermia  
 2. Circulation. 2015;132(suppl 1):S84-S145: 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations  
 3. Resuscitation 95 (2015) 202-222 European Resuscitation Council and European Society of Intensive Care Medicine Guidelines for Post-resuscitation Care 2015 Section 5 of the European Resuscitation Council Guidelines for Resuscitation 2015  
 4. 2015 American Heart Association HIGHLIGHTS of the 2015 American Heart Association Guidelines Update for CPR and ECC  
 5. Curr Treat Options Neurol. 2012 December ; 14(6): 608-619 Therapeutic Hypothermia for Neonatal Encephalopathy  
 6. Journal of Intensive Care (2016) 4:28 Targeted temperature management in traumatic brain injury  
 7. CHEST / 145 / 2 / FEBRUARY 2014 Clinical Applications of Targeted Temperature Management