

Thermal Angel®

Blood and IV Fluid Infusion Warmer



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Ultra Operations Module

Ultra Battery Charger

Ultra Vehicle Charger

Ultra Pig Tail Charger

Ultra Power Cable

Standard Battery

Standard Battery Charger

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Standard Power Cable

9 Inch IV Extension (Needle Free)

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Thermal Angel Blood and IV Fluid Infusion Warmer

Catalog Number: TA-200

NSN Number: 6515-01-500-3521

The Thermal Angel is an in-line, battery-powered disposable, lightweight and completely portable blood and IV fluid warming device, capable of intravenous application and irrigation warming. The Thermal Angel can be used to help prevent fluid-induced hypothermia.



Features Include:

- Lightweight (9 oz), in-line, disposable, portable battery-powered blood and IV fluid infusion warmer
- No cartridges or cleaning
- Inserted below standard IV tubing, coming from the bag and before the extension set leading to the infusion site
- Quick setup within 30 seconds
- Warms in approximately 45 seconds
- Placed at or near the infusion site for minimal heat loss through tubing
- Failsafe to prevent overheating
- Ability to remain with patient from first contact through hospital stay
- Can be used in the field, ambulances, helicopters, ER, OR, military and other care areas
- The unit uses standard luer fittings and will accept all standard IV line sets
- Single patient use
- Heaters adjust automatically in response to changes in flow rate
- Disposable
- **Innovative Technology**

Performance:

The Thermal Angel TA-200 will strive to achieve 38°C (100.4°F) ±3°C at a flow rate of 2 to 150 ml/min given a fluid input temperature of 20°C (68°F) with a fully charged TA-BCE Battery.

Areas of Use:

- **Military and Government**
- **Hospital**
- **Pre-Hospital**
- **Specialties**

Quick Set Up:

Because the Thermal Angel is elegantly simple, there are no knobs, settings or switches. An experienced user can set up the Thermal Angel in a matter of seconds.



Ultra Battery 1

Visit our Ultra Battery 1 (TA-UB1) page to learn more. It weighs less than 1.25 LBS!

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Testimonials

We use the Thermal Angel when administering blood products and resuscitating hypothermic patients. Having the ability to administer warm blood and fluids is a vital addition to the level of care we provide.

Brent Dalbec, EMT-P
[read testimonial](#)

The nurses in the hospital like it so much, the CNO is considering buying more units for use all over the hospital.

Ann Cahill
CRNA
[read testimonial](#)

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Training:

The **5 Steps** are printed on the Thermal Angel label, bag, and **instruction insert**. Furthermore, there is an instructional **video** available on the Thermal Angel website which can be viewed in less than 3 minutes.

Compatibility:

The Thermal Angel was designed to be compatible with any standard IV or blood administration/extension set.

Portability:

Because the Thermal Angel is **Battery** powered, it allows for a continuum of care with no interruption of the infusion of warm blood or intravenous fluids. The Thermal Angel can be used at first contact with the patient, whether at a trauma scene, in transport to a healthcare facility, or inside a hospital, clinic or surgery center.

Low Capital Equipment Expenditures and No Contract Requirements:

The Thermal Angel was designed to require a minimal capital expenditure with no commitments in order to encourage warming for all patients, not just a select few cases.

Disposables and Movement of Patients Between Departments:

Since the Thermal Angel is a portable, battery-powered single patient device, there are no additional costs due to movement of patients. The Thermal Angel stays with the patient throughout the continuum of care to virtually any department the patient visits, untethered by the requirements of AC power. There are no new disposable costs from OR, to Recovery, to ICU, and finally, to the patient room. Because the Thermal Angel is elegantly simple, there are no knobs, settings or switches. An experienced user can set up the Thermal Angel in a matter of seconds.

Innovative Technology:

- **Smart Disposable**
- **Low Mass Heater**
- **Temperature Regulation in the Fluid Path**
- **Warming Near Infusion Site**
- **Compatibility**
- **Portability**
- **Single Disposable for Range of Flow Rates**
- **Patients Can Arrive Normothermic Due to Field Use**
- **Quick Training**
- **Quick Set Up**
- **Quick Warm Up**
- **Warm Fluid for Multiple Patients Concurrently**
- **Low Capital Equipment Expenditures and No Contract Requirements**
- **No Sterilization Required**
- **No Recalibration Required**
- **No Service Calls Required**

More Information:

- **Innovative Technology**
- **Video Demonstration**
- **Quick Steps**
- **Instructions**
- **Frequently Asked Questions (FAQ)**
- **Comparison to Other Fluid Warmers**
- **Testimonials**
- **Downloadable Documents**

External Physical Specifications:

Length 9.0 in (22.86 cm)

Width 2.8 in. (7.11 cm)

Depth 0.95 in. (2.41 cm)
Weight 9.2 oz. (260.82 g)

Thermal Angel TA-200 Absolute Minimum and Maximum Specifications:

	Minimum	Maximum
Output Temperature:	NA	47°C (116.6°F) failsafe fuse
Input Temperature:	4°C (39.2°F)	38°C (100.4°F)
Input Flow Rate:	0 ml/min	200 ml/min
Input Voltage:	10.5 Volts DC	13.8 Volts DC
Storage Temperature:	0°C (32°F)	40°C (104°F)

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