WARRIOR BLOOD & FLUID WARMER SET

From: $4,449.00

No More Cold Blood

SKU: N/A

PRODUCT DESCRIPTION

Superior Performance at a Significantly Lower Per-Use Price!

Recognized for its superiority over prevailing warmers in the recently released CoTCCC ARC Guidelines, the Warrior and the Warrior EXTREME are the only portable warmers capable of warming blood/fluids from near freezing to normal body temperature even at the intense resuscitation rates that are often required in trauma situations. The Warrior delivery rate and battery capacity are two-to fourfold that of other commercial solutions (up to 200ml/min and 3.5 liters of near freezing fluids), while its per-use cost is 50-70% lower than that of all modern warmers. Superior performance at a significantly lower cost of ownership: a true win-win!

The Warrior is a 3-part system comprised of a battery, controller, and disposable single-use warmer. Assembly is simple and fail-safe and takes seconds to accomplish. Blood/fluids will be warmed almost from the first drop, even at high resuscitation rates. An LCD display always indicates to the user the incoming and outgoing blood/liquid temperature.

The Warrior fluid path is aluminum-free, thus eliminating toxicity concerns associated with aluminum! Instead, it uses patented medical-grade stainless steel warming technology. The efficiency of the Warrior technology ensures immediate warming. The real time sensing of the blood/fluids’ temperature ensures immediate adjustment of the heating to changes in flow rates. Thus, the Warrior handles bolus flows, which are common in trauma settings, exceptionally well. The technology has been perfected over many thousand field utilizations.

The complete set contains the Warrior Base Unit, Compact Disposable Unit (2), Rechargeable Enhanced Battery, Battery Charger and Adapter in a Soft Carry Case.
Note: The Warrior EXTREME is the ruggedized version of the Warrior device, for harsh operating environments. The performance of both devices is identical. The key differences are that the Warrior EXTREME (i) complies with MIL-STD 461G RE102 and RS103, and (ii) it was certified for higher Ingress Protection (IP) rating (IP56).

PRODUCT INFO

(WARRIOR STANDARD & WARRIOR EXTREME)

Unmatched Performance

• **Fastest.** Warms near frozen blood/fluid to 38°C (±2°C) in a few seconds
• **Unmatched Delivery Rate.** From KVO and up to 200/290 ml/min delivery rate at 4°C fluid input temperature (battery/AC)
• **Unmatched Battery Capacity.** Up to 3.5 liters at 4°C fluid input temperature and 5 liters at 20°C fluid input temperature per single (fully charged) battery
• **Unique Bolus Flow Handling.** Real time sensing and highly efficient warming technology guarantee fast reaction to flow changes

Designed with the User in Mind

• **Portable.** Can fit small transport platforms
• **Simple To Operate.** Fail-safe assembly. Functions on gravity feed. Flow can be regulated with pressure bag or pump
• **Same Disposable Unit Fits All Protocols.** The Same Disposable Unit can be used for blood and fluid products
• **No Proprietary Tubing.** Does not require proprietary IV/blood line
• **Communicative.** Built-in display panel for indications and alerts; over and underheating alerts; battery capacity alerts
• **Mountable.** Can be mounted to pole, rail or stretcher
• **Power Source Flexibility:** AC and battery operable
• **Unique Continuum of Care Proposition.** Same consumable can be used across the entire continuum, simplifying patients' handoff and reducing cost

Cutting Edge, Mature, and Safe Underlaying Technology

• **Smart Warming Technology.** Microprocessor-controller highly efficient smart warming technology
• **Common Heating Element.** Medical grade stainless steel coil
• **Extremely Relaxed Heat Transfer Mechanism.** Incremental heat transfer over 220cm / 7.2ft coil
• **Mature Technology.** Field Proven, patent-protected technology with thousands of field utilizations
• **Safe Technology.** Fail-safe design; aluminum free
• **Defibrillation Proof type BF Applied Part.** Safe to be used jointly with a defibrillator
• **Meets the Requirements of the Stringiest Standards for Field Operation.** Certified for top EMS regulatory standards IEC60601-1, IEC60601-1-2:2014, and IEC60601-1-12 (voluntarily!)
Practically Zero Maintenance

- **Service Cycles.** 5 years between service cycles
- **No Calibration.** No need for periodic calibration

Compelling Commercial Proposition

- **Significantly Lower Per-Use Price.** Compared with all modern warmers
- **Long Battery Life.** Up to 400 full charging cycles
- **Significantly Reduced Lifecycle Cost.** Compared with all modern warmers

SPECIFICATIONS

**Warrior Standard**

- PN: 37-600 (Soft Case Set- Standard Configuration)
- FDA 510(k) Cleared
- Base Unit:
  - 5 Year service life
- Disposable Unit:
  - Single patient use
  - 3 Year shelf life
- Specifications:
  - Set Dimensions: 16”L x 12”H x 6.5”W
  - Base Unit and Battery: 1720g (3.79lb)
  - Compact Disposable Unit (in sterile bag): 117g (0.26lb)
  - Operational Weight (i.e. the 2 items above): 1837g (4.05lb)

**Warrior EXTREME**

- PN: 37-604 (Soft Case Set- EXTREME Configuration)
- FDA 510(k) Cleared
- Ruggedized, hardened circuitry for air worthiness
- Berry Compliant
- 100% TAA Compliant
- Base Unit:
  - 5 Year service life
- Disposable Unit:
  - Single patient use
  - 3 Year shelf life
- Specifications:
  - Set Dimensions: 16”L x 12”H x 6.5”W
  - Base Unit and Battery: 1720g (3.79lb)
  - Compact Disposable Unit (in sterile bag): 117g (0.26lb)
  - Operational Weight (i.e. the 2 items above): 1837g (4.05lb)