

**Blood & Fluid Warming System** 

- Lightweight The Quantum<sup>™</sup> has the lightest operational weight of any portable blood & fluid warming system (Total Operational Weight: 22 oz)
- Powerful Warms two units of 39°F refrigerated whole blood at 100mL/min+ on a single charge
- Compact Fewest components to carry (three)
- Fast Warm-up time of only 24 seconds
- Intuitive The thermal transfusion/infusion set looks, handles, and sets up/primes like any conventional IV set
- Safe Tested safe for blood, blood products & IV solutions
- Effective The system is plug-and-play for ease of setup under stressful conditions such as tactical field care (only two connection points, with no plug orientation or set-up order requirements - system status constantly visible at a glance)
- Complete Does not require additional standard transfusion or infusion set – all other warmers do
- Tactical Only system FDA cleared allowing easy disable of audible alerts to protect operators in combat

# **Quantum Battery**

# **Quantum Charger**

### **Quantum Controller**

TTS-B Thermal Transfusion Set - Blood (Blood, blood products & IV solutions)

TIS Thermal Infusion Set (IV solutions)

#### **PRODUCT WEIGHTS**

Total Operational Weight: 22 oz (Quantum™Controller, Battery & TTS-B)

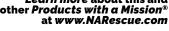
Battery: 16 oz Controller: 3 oz Battery Charger: 22 oz Controller Cover: 0.23 oz Hard Case: 3.22 lb

Thermal Transfusion Set (TTS-B): 2.7 oz Thermal Infusion Set

(TIS): 2.3 oz

Learn more about this and other Products with a Mission®





## **OPERATING PARAMETERS**

# Blood or Blood Products

- Input Temp: 39°F
- Output Temp: 100.4°F (38°+/- 2°C)
- Flow-Rate: 2 100mL/min (+)
- Warm-up Time: 24 seconds Warming Capacity with Single Battery: 2 units (+)

## **IV FLUIDS**

- Input Temp: 68°F
- Output Temp: 100.4°F (38°+/- 2°C)
- Flow-Rate: 2 200ml/min (+)
- Warm-up Time: 24 seconds
- Warming Capacity with a Single Battery: 1700 mL



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ITEM #	COMPONENT	NSN
35-0006	Complete System*	6515-01-693-7810
35-0005	TTS-B (Pack of 2)	6515-01-695-4444
35-0004	TIS (Pack of 2)	
35-0003	Controller	
35-0002	Battery Charger	
35-0001	Battery	
35-0010	Controller Cover	
83-0028	Field Blood Transfusion Kit	

\* NOTE: Complete System includes: 1x Controller • 1x Battery • 1x Charger • 2x TTS-B TIS is sold separately. Not included in the Complete System.



