

# LIFEWARMER™ Quantum™ Blood & Fluid Warming System

- **Lightweight** The Quantum™ 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 Charger

## Quantum Battery

## 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

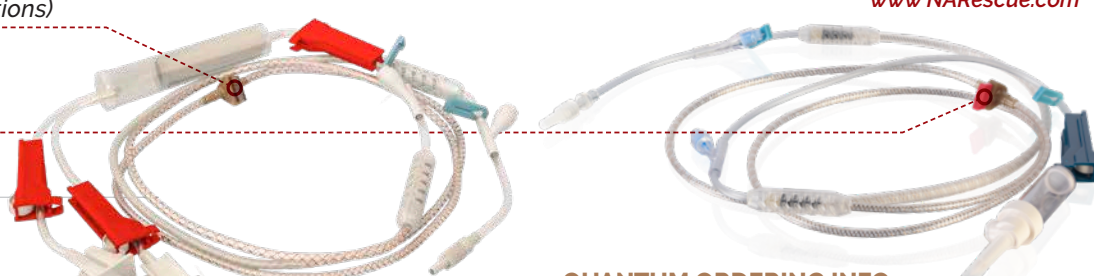
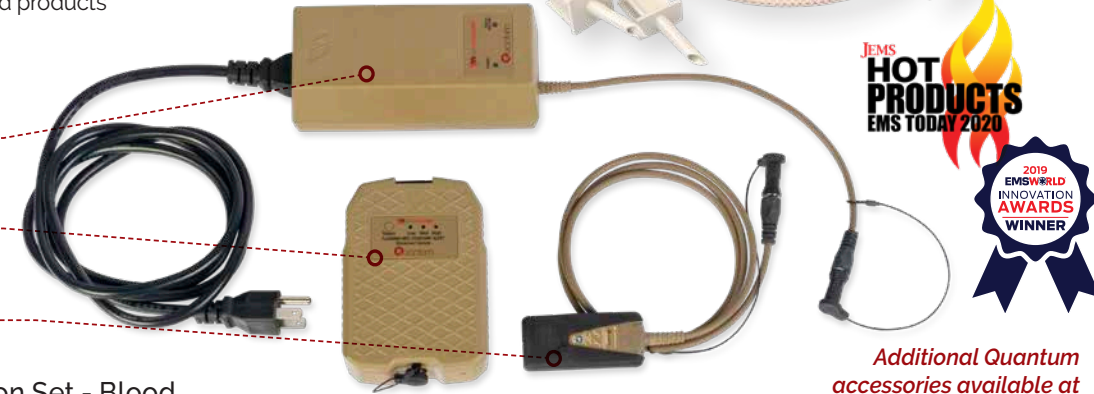
**Hard Case:** 3.22 lb

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

**Thermal Infusion Set (TIS):** 2.3 oz

\*NOTE: Complete System includes:  
1x Controller, 1x Battery, 1x Charger & 2 x TTS-B

TIS is sold separately. Not included in the Complete System.



Additional Quantum accessories available at [www.NARescue.com](http://www.NARescue.com)

### QUANTUM ORDERING INFO

COMPONENTS	ITEM #	NSN #
Complete System*	35-0006	6515-01-693-7810
TTS-B (Pack of 2)	35-0005	6515-01-695-4444
TIS (Pack of 2)	35-0004	----
Controller	35-0003	----
Battery Charger	35-0002	----
Battery	35-0001	----
Controller Cover	35-0010	----
Hard Case	35-0008	----
Field Blood Transfusion Kit	83-0028	----

## OPERATING PARAMETERS

### 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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### 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 (+)

NOTE:  
Hard Case  
sold separately



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