Rocky Research - Available Technologies

Portable Infusion Fluid Warmer
Field Usable - Military / Ambulance / Rescue

APPLIANCE OVERVIEW

- **Two operating modes**
  - EXTERNAL POWER
  - THERMAL BATTERY MODE
- **Rapid Infusion**
  - Warms blood at infusion rates of 5 ml/min to 500 ml/min while heating fluid from 4ºC to 39ºC
  - Adjustable temperature setting, from 34-39ºC in 0.5ºC increments.
- **Maintenance Infusion** - Accurately controls fluid temperatures at rates as low as 4 ml/min for maintenance
- **Fluids** - For use with any infusion fluid including whole blood
- **Power** - Powered from 28 VDC - 12 VDC and 120 VAC versions are also available
- **Portability** - Fully portable and designed for shock and vibration
- **Heat Exchanger** - Single patient cartridge (SPC) is the only part in contact with infusion fluid
- **Size** - 17"L x 10"W x 7.65"H
- **Weight** - 9.75 kg (21.5 lbs)





FEATURES OF THERMAL BATTERY MODE

- Operates without external power
- Heats two 500 ml units of blood between recharges
- Fully recharges in 45 minutes
- Supports infusion times from 5 minutes to 4.5 hours
- Precise temperature control prevents fluid damage
- Holds charge indefinitely

STATUS

- Operational prototypes available for demonstration
- Pre-production prototypes designed, built and tested
- Designed for FDA 510(k) approval

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Rocky Research

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