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 4°C to 39°C
  - Adjustable temperature setting, from 34-39°C in 0.5°C 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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