BELMONT INSTRUMENT CORPORATION INTRODUCES

FMS 2000

Creating a New Standard of Care

Taking Rapid Infusion to a New Level of Safety & Efficacy

Now with Flow Rate to 750ml/minute

Belmont Instrument Corporation
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The **FMS 2000** Fluid Management System

The **FMS 2000** infuses blood or crystalloid warmed to physiological temperature at rates from 2.5 - 750 ml/minute.

Unlike simple warmers the **FMS 2000** is a self-contained fluid management system: patented induction heater, volumetric infusion pump, and safety sensors are all contained within a single compact 26 lb. unit.

Instant heating, a complete range of calibrated infusion rates, bolus infusion capability, and advanced air bubble, temperature and pressure detectors make the **FMS 2000** the safest and most advanced IV fluid management system available.

**A New Level of Safety**

- **Two ultrasonic air detectors**, one at the fluid inlet and a second at the outflow to the patient, virtually eliminates the risk of inadvertent air embolism.

- An **automatic air purge** every 500 mls removes any out-gassed air that can result when warming fluids. There is no need for time consuming removal or de-gassing of air from the IV solution.

- **Line pressure control** helps eliminate IV induced hematoma, often associated with bag compressors, by slowing the pump when restriction of flow is detected and stops pumping if the fluid path is obstructed.

- Continuous **real time temperature monitoring** of the infusate assures accurate normothermic fluid delivery, protecting the blood products and the patient.

- **On-line, step by step set up, prime and troubleshooting** assures safe operation and eliminates guesswork.

- Operator controlled **bolus infusion** allows rapid response in critical situations.
because your patient’s life may depend on it.

**Flow and Temperature Delivered Rapidly and Accurately**

![Graph showing FMS 2000 Performance](image)

**Unique Instant Heater**
- Infused fluid warmed to real physiological temperature in seconds
- No overheating or “hot spots”
- Patented induction heater warms without water baths or microwaves
- No temperature drop at high speeds

**High Speed Volumetric Pump**
- Complete flow control from 2.5 - 750 ml/min at the touch of a button
- Eliminates dangerous, uncontrollable bag compressors
- Monitors total infused volume for accurate I/O charting
- Optional cardiotomy reservoir eliminates frequent bag changing
**Easy To Use**

Graphical display and simplified touch screen make the system easy to use even when something goes wrong.

**FMS 2000 Hardware Specifications**

- **Dimensions:** 13.5 in. x 7.5 in. x 12 in.
- **Weight:** 26 lbs.
- **Portability:** Quick-on IV Pole Mount or Handle at top of unit.
- **Power:** 115 volt or 220/240 volt AC input.
- **Battery:** Internal, rechargeable for transport. Operates all functions without heating.
- **Fluid Pump:** Roller type peristaltic pump. Flow rate 2.5 - 750ml/min.
- **Heater:** Maximum applied power, 1350 watts.
- **Sensors:** 2 Air bubble sensors, pressure transducer (fluid). 2 Temperature probes (infrared sensing), pump flow rate sensor.
- **Control Computer:** Built-in, controls all functions, with redundant hardwired overrides in case of computer failure.
- **Display:** 5 in. x 2.5 in. Electroluminescent type, with waterproof touch pad.

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