



**Single-channel blood transfusion warmer**



**Dual-channel blood transfusion warmer**

## Blood and Fluid Warmer

This professional blood and fluid warming system provides stable, uniform heating for blood products, crystalloids, colloids and other infusates. By maintaining fluid temperature within a safe and constant range, it significantly reduces the risk of iatrogenic hypothermia during infusion and transfusion.

### Key Features

- Precise temperature control: 33°C–42°C adjustable
- Single & dual-channel models for flexible use
- Fast heating with high efficiency and low energy consumption
- Full-range wrapping heating for uniform temperature
- Compatible with standard disposable infusion sets
- Multiple audible and visual alarms for full protection
- Compact design, easy to mount on infusion stands
- Stable performance for long-term clinical use

Applications Operating rooms, emergency rooms, ICUs, general wards, blood transfusion centers,

and pre-hospital care.

## Core Positioning

It achieves precise constant temperature heating, avoids the risks of cold fluid infusion, balances the curative effect of diagnosis and treatment with patient comfort, and provides a medical fluid temperature management solution suitable for all clinical scenarios.

## Core Uses

**Blood Warming:** Quickly heat stored refrigerated blood (around 4°C) to avoid chills, arrhythmia and decreased coagulation function caused by cold stimulation, and protect the activity of blood components.

- **Fluid Infusion Warming:** Warm infusion fluids such as normal saline and colloid fluids to a temperature close to the human core body temperature (around 37°C), reduce vascular stimulation, and improve patient comfort during infusion.

- **Irrigation Fluid Warming:** Adapt to the needs of surgical irrigation and cavity lavage, prevent sudden drops in body cavity temperature, and reduce the risk of complications such as postoperative infection and slow wound healing.

- Emergency Support: In scenarios such as traumatic massive hemorrhage, shock, and neonatal rescue, maintain the patient's core body temperature, gain time for treatment, and improve the success rate of rescue.

### Core Product Advantages

- Precise Temperature Control: The temperature control range is 33-41 °C, with an accuracy of  $\pm 0.5^{\circ}\text{C}$ . It dynamically adjusts the heating power to ensure stable temperature when the flow rate changes, without damaging blood and drug components.

- Safety and Convenience: Adopt dry heating or disposable heating tube design, which does not come into contact with fluids and eliminates cross-infection; equipped with multiple sound and light alarms (overtemperature, low temperature, no load, etc.), with anti-dry heating and anti-bubble functions, ensuring full-process safety and controllability.

- Efficient Adaptability: Fast heating speed, ready to use immediately, compatible with various infusion sets and blood transfusion sets; covering portable models, dual-channel models and high-flow models, which can be adapted to all clinical scenarios such as pre-hospital emergency, surgery and daily infusion.

- Compliance and Reliability: In line with domestic and foreign medical certification standards such as NMPA, CE and ISO13485, the body is small and easy to place, simple to operate, and can be used without professional training.

### Applicable Scenarios

Operating Room • ICU • Emergency Department • 120 Pre-hospital  
Emergency • Obstetrics/Delivery Room • Neonatal Department • General  
Ward • Anesthesiology Department

Guard body temperature with technology, empower diagnosis and treatment with professionalism  
— Blood and Fluid Warmer builds a solid safety line for patient diagnosis and treatment with precise temperature control and improves the quality of clinical diagnosis and treatment.



## Blood and Infusion Warmer

Multiple Temperature Control  
Different Kinds Heating  
Profile High Accuracy

More User Friendly

## Blood and Infusion Warmer Technical Parameter

Category	Detailed Information
Core Uses	<ol style="list-style-type: none"><li>1. Blood Warming: Heat stored refrigerated blood (around 4°C) to avoid cold stimulation-related complications and protect blood component activity.</li><li>2. Fluid Infusion Warming: Warm infusion fluids (normal saline, colloid fluids, etc.) to around 37°C, reduce vascular stimulation and improve patient comfort.</li><li>3. Irrigation Fluid Warming: Adapt to surgical irrigation and cavity lavage, prevent sudden body cavity temperature drop and reduce complications.</li><li>4. Emergency Support: Maintain patient's core temperature in traumatic hemorrhage, shock and neonatal rescue to improve rescue success rate.</li></ol>
Core Product Advantages	<ol style="list-style-type: none"><li>1. Precise Temperature Control: 33-41°C range, <math>\pm 0.5^\circ\text{C}</math> accuracy, stable temperature during flow rate changes, no damage to blood and drug components.</li><li>2. Safety and Convenience: Dry heating/disposable tube design (no cross-infection); multiple sound-light alarms, anti-dry heating and anti-bubble functions.</li></ol>

Category	Detailed Information
	<p>3. Efficient Adaptability: Fast heating, compatible with various infusion/blood transfusion sets; covers portable, dual-channel and high-flow models for all clinical scenarios.</p> <p>4. Compliance and Reliability: Meets NMPA, CE, ISO13485 standards; small, easy to place and operate without professional training.</p>
Applicable Scenarios	Operating Room, ICU, Emergency Department, 120 Pre-hospital Emergency, Obstetrics/Delivery Room, Neonatal Department, General Ward, Anesthesiology Department

## Blood and Infusion Warmer Product features



- Temperature control accuracy:± 1C
- The running time of the host system can be displayed
- The host can automatically recognize the type of heating tube
- 5-inch color medical LCD touch screen
- Silicone heating tube device, double-layer design, evenly heated
- Power on white check function and preheating, testing various functions and settings
- Equipped with high temperature alarm and over temperature alarm protection, automatic stop and alarm"Store over 40000 records of past patients and heating processes

## Blood and Fluid Warmer Core Information Table

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