

Blood and Fluid Warmer



Introduction:

By heating the continuous flow of liquid, the heat in the heat exchanger is transferred to the liquid in the pipe through the extended infusion pipeline to achieve the purpose of heating the liquid. The product is not in contact with the liquid. It is not used for the heating of analgesics, chemotherapy drugs, insulin and other drugs.

Features:

- * The temperature accuracy of instrument is ±0.1℃
- * Preheating time is less than 2 minutes, rapid heating reduces waiting time
- * With door opening alarm, high and low temperature alarm devices that trigger when the monitored temperature deviates by 0.5°C from the set point, with a flashing alarm light and an accompanying beep signal (BK-TW102)
- * With high temperature alarm, low temperature alarm, system error alarm, overtime alarm, heating prompts (BK-TW101/201)
- * The protection level against water intrusion is IPX I type, water drops falling vertically have no harmful effects
- * With dual hardware and software triple temperature protection, ensuring safe use of the equipment
- * The heating instrument operates at a noise level of ≤65dB(A) during normal operation
- * Two temperature units are available, which can be switched between degrees Celsius and degrees Fahrenheit
- * Medical-grade heating silicone tubes ensure safe use, wrapping the entire pipeline to deliver effective temperature directly to the patient, with a variety of tube diameters and lengths available for selection (BK-TW101/201)

Technical Parameters:

Model	BK-TW201	BK-TW101	BK-TW102
Display	LCD display		LED display
Temp. Range	32~42℃		RT+5~45℃
Temp. Resolution	0.1℃		**
Temp. Fluctuation	±0.5℃		
Temp. Uniformity	1		±1.0℃
Preheating Time	≤2min		≤2min (From 25±2°C to 35°C)
Environment Temperature	5~40°C		5~30°C
Temp. Error	±0.5℃		±1.0℃
Timing Range	0~99h/Continuous		1
Consumption	180W	120W	85W
Power Supply	AC 110/220V, 50/60Hz		
External Size (L*W*H)	104*45*170mm	94*45*170mm	77*35*177mm
Packing Size (L*W*H)	240*225*220mm		250*205*100mm
Net Weight	0.8kg	0.7kg	0.5kg
Gross Weight	2.0kg	1.9kg	1.1kg



Introduction:

This product is primarily used for warming and maintaining the temperature of fluids (Excluding analgesics, chemotherapy drugs and insulin) administered to the human body. (Non-contact with blood or medication)

Introduction:

- * BK-TW110 is single-channel blood and fluid warmer, BK-TW210 is dual-channel blood and fluid warmer.
- * Dry heating method, short preheating time, rapid heating.
- * High-quality heating tube assembly, full-wrapped heating, fast heating in cold environment.
- * Heating tube assembly is plug-and-play, convenient and fast.
- * Directly heat conventional blood transfusion and infusion lines, no special consumables required, cost saving.
- * Real-time display of set temperature, real-time temperature, alarm information, working status, etc.
- * With over temperature alarm, under temperature alarm, no liquid alarm function.

Technical Parameters:

Model	BK-TW110	BK-TW210	
Channel Count	Single-channel	Dual-channel	
Adjustable Temp. Range	33.0~41.0°C, continuously adjustable, increase rate 0.1°C		
Temp. Accuracy	0.1℃		
Preheating Time	≤2min (From 20°C to 36°C)		
Display	LED		
Display Information	Heating time, set temperature, heating temperature, alarm information indication		
Inner Diameter of	Standard: 3.5~5mm		
Heating Tube	Optional: 6~7mm		
Safety Control	The system has built-in alarm test function, and the alarm function can be tested on the panel to		
	see if it is normal		
Power-off Protection	When the temperature exceeds 42°C, the system will automatically stop heating with sound and light alarm		
Under Temperature Alarm	When it is lower than 32°C, the system will give a sound and light alarm to indicate low temperature		
Heating Tube Structure	Three-cavity silicone flexible heating sleeve, integrated with 4 sets of heating wires, two sets of		
	independent temperature sensors		
Power	60VA	80VA	
Power Supply	AC 100~240V, 50~60Hz		
External Size (W*D*H)	172*95*175mm	195*115*175mm	
Packing Size (W*D*H)	250*220*230mm		
Net Weight	1.7kg	2.3kg	
Gross Weight	2.1kg	2.7kg	