

SPECIFICATIONS		WC71		WC77	
Physical Characteristics					
Dimensions	28 cm high x 17.8 cm deep x 22.2 cm wide 11" high x 7" deep x 8.75" wide		28 cm high x 17.8 cm deep x 22.2 cm wide 11" high x 7" deep x 8.75" wide		
Weight	2.9 kg (6.4 lbs) without clamp or cable		3.75 kg (8.3 lbs) without clamp or cable		
Mounting	Can be placed on a horizontal flat surface (i.e. tabletop), clamped to an IV pole, or hung using a VESA mount of either FDMI MIS-C (35 x 75 mm) or FDMI MIS-D (75 x 75 mm) specifications.		Can be placed on a horizontal flat surface (i.e. tabletop), clamped to an IV pole, or hung using a VESA mount of either FDMI MIS-C (35 x 75 mm) or FDMI MIS-D (75 x 75 mm) specifications.		
Temperature Characteristics					
Temperature Control	Micro-processor		Micro-processor		
Operating Temperatures	Blanket Port A adjustable in 1°C increments 37° to 43° ± 1.0°C		Blanket Ports A, B, C, and D adjustable in 1°C increments 37° to 43° ± 1.0°C		
	98.6° to 109.4° ± 1.8°F		98.6° to 109.4° ± 1.8°F		
			Mattress Port M adjustable in 1°C increments 35° to 40° ± 1.0°C		
			95° to 104° ± 1.8°F		
Safety System					
All alarm conditions are classified as Medium Priority Technical Alarms					
Auditory Alarms	Minimum SPL of 65 dB(A) at 3m (from front of controller with a background SPL not to exceed 55dB(A))		Minimum SPL of 65 dB(A) at 3m (from front of controller with a background SPL not to exceed 55dB(A))		
Primary Over-temp Alarm	Port A (Warming Blanket) Medium Priority Alarm sounds when temperature sensor is at set point + 1°C		Ports A, B, C, D (Warming Blanket) Medium Priority Alarm sounds when temperature sensor is at set point + 1°C		
			Port M (Warming Mattress) Medium Priority Alarm sounds when temperature sensor is at set point +1°C		
Secondary Over-temp Alarm	Port A (Warming Blanket) Independent electronic circuit shuts the heater off if the Warming Blanket temperature sensor reaches max set point + 3°C (46°C). Medium Priority Alarm sounds.		Ports A, B, C, D (Warming Blanket) Independent electronic circuit shuts the heater off if the Warming Blanket temperature sensor reaches max set point + 3°C (46°C). Medium Priority Alarm sounds.		
			Port M (Warming Mattress) Independent electronic circuit shuts the heater off if the Warming Mattress temperature sensor reaches max set point + 2.5°C (42.5°C). Medium Priority Alarm sounds.		
Over-current Monitoring	Port A	7 amps max	Port A	10 amps max	
	System	7.2 amps max	Port B	10 amps max	
	Medium Priority Alarm sounds in over current condition. System utilizes power rationing when multiple ports are drawing current over system levels.		Port C	10 amps max	
			Port D	10 amps max	
			Port M	7 amps max	
			System	15 amps max	
		Medium Priority Alarm sounds in over current condition. System utilizes power rationing when multiple ports are drawing current over system levels.			
System Over-current Protection	Dual input fused lines. Medium Priority Alarm Sounds.		Dual input fused lines. Medium Priority Alarm Sounds.		
Electrical Characteristics					
Leakage Current	Meets UL 60601-1 and IEC 60601-1 requirements for Class I, Type BF equipment		Meets UL 60601-1 and IEC 60601-1 requirements for Class I, Type BF equipment		
Power Consumption	460W Maximum		970W Maximum		
Power Cord	4.6 m (15 ft) – May vary by country and region per local requirements and regulations		4.6 m (15 ft) – May vary by country and region per local requirements and regulations		
Device Ratings	Input: 100-240 VAC, 50/60 Hz, 460VA Output A: 48 VDC, 336 VA Max each		Input: 100-240 VAC, 50/60 Hz, 970VA Output A, B, C, D: 48 VDC, 480 VA Max each Output M: 336 VA Max		
Fuses	T10AL250V (2 x 5x20mm)		T10AL250V (2 x 5x20mm)		
Environmental Conditions					
Environmental Conditions for Transport and Storage	Temperature: -20°C to 60°C Humidity: 20% to 80% Keep Dry		Temperature: -20°C to 60°C Humidity: 20% to 80% Keep Dry		
Environmental Conditions for Use	Temperature: 15°C to 25°C Humidity: 20% to 80%		Temperature: 15°C to 25°C Humidity: 20% to 80%		
Technical Description of PCLCS (physiologic closed-loop control system) – AUTO mode – per IEC 60601-1-10 ed. 1.1					
Accompanying Information from Table C.3	Details necessary for the safe use of a DISTRIBUTED PCLCS 6.4	NA – Not a distributed PCLCS	Details necessary for the safe use of a DISTRIBUTED PCLCS 6.4	NA – Not a distributed PCLCS	
	Summary of the PCLC modes of operation and specification of PCLCS responses 8.2.2.6	See Table 2 in IFU	Summary of the PCLC modes of operation and specification of PCLCS responses 8.2.2.6	See Table 2 in IFU	
	Means to check responses of the PCLCS 8.2.2.6	If patient temperature is outside a normal range, AUTO mode is disengaged and E7 alert is initiated.	Means to check responses of the PCLCS 8.2.2.6	If patient temperature is outside a normal range, AUTO mode is disengaged and E7 alert is initiated.	
Classification and Standards					
Certifications	IEC 60601-1; EN 60601-1-2; UL 60601-1; CAN/CSA-C22.2, No. 601.1, EN 55011; 60601-2-35; 80601-2-56 		IEC 60601-1; EN 60601-1-2; UL 60601-1; CAN/CSA-C22.2, No. 601.1, EN 55011; 60601-2-35; 60601-2-2; 80601-2-56 		
Classification	Classified under IEC 60601-1 Guidelines (and other national versions of the Guidelines) as Class I, Type BF, Ordinary equipment, Continuous operation. Not suitable for use in presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide. Classified by Intertek Testing Services NA Inc. with respect to electric shock, fire, and mechanical hazards only, in accordance with UL 60601-1. Classified under the Medical Device Directive (93/42/EEC) as a Class IIb device. Classified under Canadian Medical Device Regulation as Class II.		Classified under IEC 60601-1 Guidelines (and other national versions of the Guidelines) as Class I, Type BF, Ordinary equipment, Continuous operation. Not suitable for use in presence of flammable anesthetic mixtures with air or with oxy-gen or nitrous oxide. Classified by Intertek Testing Services NA Inc. with respect to electric shock, fire, and mechanical hazards only, in accordance with UL 60601-1. Classified under the Medical Device Directive (93/42/EEC) as a Class IIb device. Classified under the Canadian Medical Device Regulation as Class II.		
Diagnostics	A qualified technician can perform general system testing. The Controller has no user serviceable parts.		A qualified technician can perform general system testing. The Controller has no user serviceable parts.		

Important Information	This device complies with the EMC requirements according to IEC 60601-1-2. Radio transmitting equipment, cellular phones, etc. shall not be used in the close proximity of the device since this could influence the performances of the device. Particular precaution must be considered during use of strong emission sources such as High Frequency surgical equipment and similar so that, e.g., theHF-cables are not routed on or near the device. If in doubt, contact a qualified technician or your local representative.		This device complies with the EMC requirements according to IEC 60601-1-2. Radio transmitting equipment, cellular phones, etc. shall not be used in the close proximity of the device since this could influence the performances of the device. Particular precaution must be considered during use of strong emission sources such as High Frequency surgical equipment and similar so that, e.g., theHF-cables are not routed on or near the device. If in doubt, contact a qualified technician or your local representative.	
Essential Performance				
	1. If the applied part cannot reach set point within 10 minutes, the warming device shall turn off and a low priority technical alert shall be generated		1. If the applied part cannot reach set point within 10 minutes, the warming device shall turn off and a low priority technical alert shall be generated	
	2. Minimum watt density of the heater shall be sufficient to achieve clinically effective warming (0.10 watts per square inch (155 watts per square meter))		2. Minimum watt density of the heater shall be sufficient to achieve clinically effective warming (0.10 watts per square inch (155 watts per square meter))	
	3. Maximum watt density of the heater shall be less than 0.45 watts per square inch (620 watts per square meter)		3. Maximum watt density of the heater shall be less than 0.45 watts per square inch (620 watts per square meter)	
	4. Patient contact surfaces of the HotDog system shall operate at a set point ± 5°C at steady state when device is under even thermal load		4. Patient contact surfaces of the HotDog system shall operate at a set point ± 5°C at steady state when device is under even thermal load	
	5. The thermal storage capacity of the applied part shall be less than 100% of the power output of the heater		5. The thermal storage capacity of the applied part shall be less than 100% of the power output of the heater	
	6. In normal or single fault conditions, the warming device shall not raise skin temperature above 43°C. If skin temperatures exceed 43°C, they will stay within the following time/temperature limits:		6. In normal or single fault conditions, the warming device shall not raise skin temperature above 43°C. If skin temperatures exceed 43°C, they will stay within the following time/temperature limits:	
	Time (s)	Temperature (°C)	Time (s)	Temperature (°C)
	10000	43.5	10000	43.5
	6000	44	6000	44
	3300	44.5	3300	44.5
	1990	45	1990	45
	1000	45.5	1000	45.5
	600	46	600	46
	350	46.5	350	46.5
	225	47	225	47
	110	47.5	110	47.5
	80	48	80	48
60	48.5	60	48.5	
38	49	38	49	
28	49.5	28	49.5	
22	50	22	50	
17	50.5	17	50.5	

Augustine Temperature Management
6581 City West Parkway
Eden Prairie, MN 55344
©2025 Augustine Temperature Management, LLC. All rights reserved.
M134C 8/25

www.hotdogwarming.com
Tel: 888-439-2767 or 952-465-3500
Fax: 952-465-3501