

## Infant & Child Warming Systems



### Heating Technology

Using the very latest carbon fibre heating technology eliminates electromagnetic radiation and interference with other equipment. Even heating is applied across the blanket & mattress. The carbon fibre emits infra-red rays that gently warm the human body.



Standard W300 controller

### Best Heating Performance

Short warming period to 37C is typically around 7 minutes. This is far superior to alternative technologies such as forced air warmers. All our infant warming systems are very effective at preventing hypothermia.



IM-120BM Infant warming blanket with mattress



Mattresses

### Comfortable and User Friendly

The blankets and mattresses are all lightweight. The controllers are silent in use and have a heating rate indicator. They are equally at home whether used in theatre or on the wards.

Because the heating uses carbon fibres the blankets and mattresses are 'invisible' to x-rays, meaning that warming can continue during many diagnostic processes.

The controllers are very easy to set up and use, require no special training and display both set and actual temperature values to give the operator full information about the warming. Sensors in the blankets and mattresses ensure optimum temperature control and safety with alarms activating in the event of unsafe use. Manufacturing is in compliance with 93/42/EEC.

Mattresses are available with a viscoelastic foam layer for excellent prolonged pressure relief. All blankets and mattresses can be disinfected according to standard AAGBI guidelines.

For optimum safety the blankets and mattresses have a 24v supply. The mattress covers are made from polyurethane - waterproof yet easy to clean and disinfect.



Infant blanket  
IM-190B

Baby/neonate swaddling and warming systems are also available





**Technical Specifications: Infant & Adult Warming**

<b>Power supply:</b>	Control units	220v - 110v ac, 50-60Hz
	W500D	350 watts, 24v dc      2-3 output sockets
	W300	350 watts, 24v dc

**Temperature output:** range for infant use is 32C to 39C in steps of 0.1C  
 Range for infant/adult use is 32C to 40C in steps of 0.1C  
 Over temperature is factory set at 43C

Dimensions:	Type	Size (mm)	Weight	Description
	W500D Controller	187 x 282 x 87	5.5 KG	Twin outlets
	W300 Controller	187 x 282 x 87	5.6 KG	Standard
	IM-190M Mattress	1900 x 550 x 40	4.9 KG	Long
	IM-120M Mattress	1200 x 750 x 40	3.3 KG	Medium
	IM-80M Mattress	800 x 550 x 40	2.1 KG	Short
	IM-190B Blanket	1900 x 1000 x 10	2.3 KG	Long blanket
	IM-180B Arm/shoulder	1800 x 450 x 10	1.1 KG	Arm blanket
	IM-120B Blanket	1200 x 80 x 10	1.1 KG	Medium
	IM-80B Blanket	800 x 700 x 10	0.9 KG	Short

**Cable length:** 4 metres

**Alarms:**

- Power alarm: activated if power breakdown or power cord disconnected when the controller is turned on.
- Ped alarm: activated when the connection between the controller and the mattress is cut off.
- Inop alarm: activated in case of a technical problem.
- High temp alarm: activated when the measured temperature reaches 43C - Audible and visual alarms.

**Compliances:**

- EN60601-1 Class Ila, type BF
- EN60601-1-2 Electrical safety requirement for medical devices
- 93/42/EEC Medical Device Directive
- 73/23/EEC Low voltage directive
- EN60601-1-2-35 Medical electrical equipment

**Environmental:**

- Ambient temperature - operating 15C to 40C
- Ambient temperature - storage -10C to 55C
- Relative humidity 30% to 70%

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