

Neonatal & Infant 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.



W150 controller

Best Heating Performance

Short warming period to 37C is typically around 7 minutes. This is superior to alternative technologies such as forced air warmers. All these neonatal warmers are very effective at preventing hypothermia in neonatal patients and ideal for 'kangaroo care'.



Baby swaddling blanket can also be used in kangaroo care



Baby mattress with blanket

Comfortable and User Friendly

The blankets, mattresses and controllers are all lightweight and the controllers are silent in use. This makes them equally at home whether used in maternity, SCBU, or for transport between hospitals.

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 are disinfected according to standard AAGBI guidelines.

For optimum safety the blankets and mattresses have a 12v supply. The mattress covers are made from polyurethane - waterproof yet easy to clean and disinfect.

Systems for infants, children and adults are also available.



Infant blanket with mattress



As part of our policy of continuous product improvement, the specifications are subject to change without notice.



Technical Specifications

| | | | |
|----------------------|-------------------|--------------------------|--------------------------|
| Power supply: | Control units | 220v - 110v ac, 50-60Hz | |
| | W150 | 90 watts, 12v dc | |
| | W150T | 90 watts, 12v dc | for transport purposes |
| | Battery capacity: | 9600ma | |
| | W150TX | 90 watts, 12v dc | prolonged transport care |
| | Battery capacity: | high power battery - tba | |

Temperature output: range for neonatal use is 32C to 39C in steps of 0.1C
Over temperature is factory set at 43C

| Dimensions: | Type | Size (mm) | Weight | Description |
|--------------------|----------------------------|----------------|---------|--------------|
| | W150 controller | 187 x 173 x 87 | 1.6 KG | Standard |
| | W150T controller | 187 x 173 x 87 | 2.2 KG | With battery |
| | IM-60M Mattress | 600 x 350 x 20 | 1.25 KG | Neonatal |
| | IM-60BM Mattress & blanket | 600 x 750 | 1.6 KG | Neonatal |
| | Swaddling blanket | 650 x 700 | 1.6 KG | Neonatal |

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 41C - Audible and visual alarms. |

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|---------------------|----------------|---|
| Compliances: | EN60601-1 | Class IIa, 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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