



Technical Specifications

Mattress	Flexible polymer heating sheet with 18 mm foam pressure relief pad Encapsulated in a nylon fabric cover, with non-microporous polyurethane coating In-built temperature sensor and over-temperature thermal cut-out				
Temperature Output Range	User-selected ranges within the band: 90° F to 104° F (32° C to 40° C) in steps of 1° F (0.5° C) Over-temperature safety cut-out at 109° F (43° C)				
Power					
CosyTherm™ Control Unit	100 Vac or 110 Vac or 230 Vac (±6%), 50 Hz/60 Hz, 75 W				
CosyTherm™ Control Unit	100 Vac to 240 Vac (±6%), 50 Hz/60 Hz (auto-ranging), 100 W				
Battery Input (Optional)	Integrated battery module				
Capacity	4 hours for standard mattress (NCM1) from full charge				
Charging	Automatic charging when mains power applied 18 hour charge time from complete discharge to fully charged				
DC Input (Optional)	12 Vdc to 28 Vdc (±10%)				
Mattresses and Blankets	24 V to 26 V (nom.) 20 W to 45 W, depending on size				
Dimensions	Type	Size	Weight		
CosyTherm™ Control Unit	CCU1	6" x 9.5" x 9"	160 x 240 x 230 mm	9 lbs	4.1 kg
CosyTherm™ Control Unit					
Mains Power	CCU200	11" x 6" x 5"	285 x 150 x 125 mm	4.4 lbs	2.0 kg
Mains and Battery	CCU201	11" x 6" x 5"	285 x 150 x 125 mm	7.0 lbs	3.2 kg
Mains, Battery and DC Input	CCU202	11" x 6" x 5"	285 x 150 x 125 mm	8.8 lbs	4.0 kg
Mattresses & Blankets	NCM1	24" x 13.5"	610 x 340 mm	1.3 lbs	0.6 kg
	NCM2	29" x 23"	730 x 580 mm	2.4 lbs	1.1 kg
	NCM3	24" x 17"	610 x 410 mm	2.0 lbs	0.9 kg
	NCM4	28" x 11"	705 x 285 mm	1.5 lbs	0.7 kg
	NCM5	26" x 14"	670 x 290 mm	2.0 lbs	0.9 kg
	NCM6	26" x 24"	670 x 610 mm	2.4 lbs	1.1 kg
	NCB1	18" x 20"	450 x 500 mm	0.9 lbs	0.4 kg
	Other dimensions available on request.				
Environmental					
Ambient (Operating)	50° F to 104° F (10° C to 40° C)				
Ambient (Storage)	14° F to 131° F (-10° C to 55° C)				
Relative Humidity	30% to 75%				

Caution: United States Federal Law restricts this device to sale by or on the order of a physician.

Due to continuous product development the company reserves the right to change these details without notice. The details given in this leaflet are correct at time of going to press.

700-200(1)

CosyTherm^{NT}
Neonatal Warming System



Tel: +44 (0) 1455 840 555
Email: info@inspiration-healthcare.com
Web: inspiration-healthcare.com

CosyTherm^{NT}

Revolutionary technology for effective neonatal care



A range of mattresses and blankets are available with the CosyTherm^{NT} system

Profile

Management of body temperature in neonates is often challenging. The tendency for hypothermia is well documented, and can have serious implications. Active warming of pre-term and low birth-weight infants can therefore reduce complications and improve outcomes.

Inspiration Healthcare’s patented flexible carbon polymer technology has been used as an innovative solution for preventing or treating hypothermia in a range of clinical applications. CosyTherm^{NT} systems combine effective thermal transfer with simplicity of use, providing a warming system that is superior to other methods currently available.

The use of an incubator in cases where most of the complex facilities are not required can unnecessarily tie up valuable resources. This increases costs, and in some cases hinders nursing access to the infant and creates anxiety for parents.

Convenience and Simplicity

- Nursing access to the infant is unhindered
- Simple to operate with quick warm-up time
- Temperature setting is easily adjusted over a wide range to meet all clinical needs
- Designed to suit all sizes of bassinet
- Mattresses fully sealed and easy to clean
- Frees up complex and expensive incubator resource for infants with greatest need

Safety and Security

CosyTherm^{NT} mattresses have a soft, durable, latex-free cover, for comfort and long life. The in-built pressure redistribution foam helps ensure tissue viability is not compromised.

- Avoids the infection risks associated with water based systems
- Low voltage operation and uniform warming surface ensure safety of infants and staff
- Independent thermal cut-out prevents overheating under any circumstances
- Fully approved and widely proven in clinical practice

Developmental Care

NIDCAP and other types of Developmental Care are made easier if the infant can be nursed in an open cot, rather than in an incubator. For infants requiring assistance with thermal regulation open nursing with CosyTherm^{NT} can help:

- Provide and support family-centred Developmental Care, and optimize kangaroo care
- Built-in pressure relief to aid dermal health
- Protect the infant’s sleep pattern
- Facilitate the assessment and management of the infant’s pain and stress
- Create a healing environment that is developmentally-appropriate

Product Range

CosyTherm^{NT} mattresses are available in a range of sizes to fit all standard bassinets. Warming blankets are also available for situations where it is more practical to warm over the infant. Products can be customized to suit any special applications or needs.

A choice of control units:

The CosyTherm^{NT} control unit has a range of options

- Mains only**, three temperature ranges, lightweight, compact and easy to operate
- Mains and battery**, three temperature ranges, compact and easy to clean, with integral rechargeable battery for greater flexibility and infant transfer situations
- Mains, battery and DC**, with all of the features and benefits of the mains and battery unit, plus DC power that will run from any supply between 12 Vdc and 28 Vdc
- All with or without infant temperature monitor.

The fully integrated battery will power a standard CosyTherm^{NT} mattress for 4 hours and is automatically recharged when the unit is connected to mains power. Versatile clamp can attach to most types of vertical or horizontal pole or bar.

The simple CosyTherm^{NT} control unit offers a low cost option where battery and DC power are not needed and has an in-built clamp to attach to a vertical pole or bar.

Applications

Intensive Care

- Ideally suited for use in neonatal and paediatric intensive care departments
- Can be used instead of an incubator, where only the warming function is needed
- Ideal “step-down” facility following incubator nursing

Nursery / Post Natal Floor

- Significant benefits in a normal maternity setting to prevent the onset of hypothermia in vulnerable infants, improving early development and avoiding the need for more intensive treatment later

Delivery Suite

- Effective and affordable solution to the risk of hypothermia in the delivery suite
- Easily fitted to existing resuscitaire or equivalent to give warming from above and below
- Helps reduce incidence of cold infants arriving in NICU

Transport

- Compact, lightweight design
- Battery operation and DC power input