

# KANMED<sup>®</sup> BABYWARMER

Optimal growth in a safe and simple way.

For Premature, Near Term and Newborn babies.







## THIS IS WHY YOU SHOULD USE THE KANMED BABYWARMER.

For the past 20 years more than a million small and premature babies have been efficiently warmed on the Kanmed Water Mattress.

- The Kanmed BabyWarmer is designed to keep premature, near term or newborn babies perfectly warm and is well researched.
- As a result babies are proven to leave the incubator earlier, relax, sleep better and grow optimally.
- The Kanmed soft warm Water Mattress and the Kanmed Baby Nests provide similar warming and cosiness as with skin to skin Kangaroo care.
- The Kanmed BabyWarmer could result in an earlier discharge from hospital and so reduce treatment costs.
- The Kanmed BabyWarmer is easy and safe to use and very well liked by the baby, parents and hospital staff.

## THE ADVANTAGES OF THE KANMED WATER MATTRESS

Warm water contains a lot of energy. Therefore the baby cannot cool the water, so the baby's skin temperature converts to the temperature of the water – making the Water Mattress the most efficient and safest way to keep a baby at 37°C. The Kanmed Water Mattress establishes a thermal balance with the baby so that baby can devote most of its energy to what is important – optimal growth, rather than using energy trying to keep warm.

Another advantage – in case of power interruption the Water Mattress will keep the baby safely warmed for up to two hours, as the water cools slowly.

**“Only a warm soft Water Mattress can replace the warming efficiency of a modern incubator”.**



# KANMED BABYWARMING SYSTEM

The Kanmed Baby Warming System is very safe and easy to use. All parts are of the highest quality to ensure a long and troublefree lifetime. Correctly used it will ensure optimal warming of your baby.

## CONTROL UNIT



### THE NEW KANMED BABYWARMER

20 years experience is behind the new CE marked Kanmed BabyWarmer.

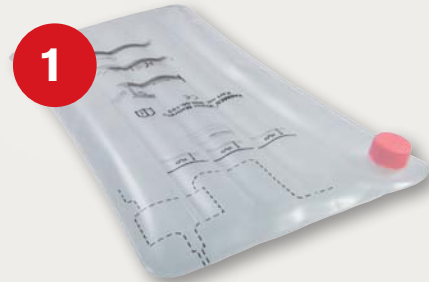
The new BabyWarmer has 3 under body warming possibilities using the same Control Unit and Heating Pad.

- 1 The Kanmed soft warm Water Mattress.
- 2 A warmed soft special Gel Mattress.
- 3 A warmed Foam Mattress.

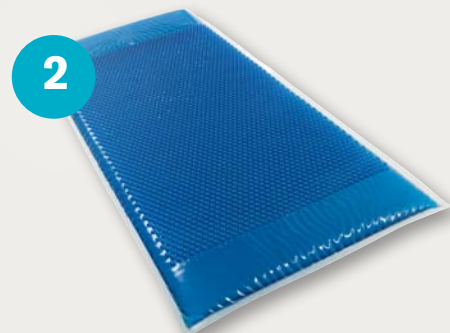
You can also connect a standard YSI skin sensor for checking of the baby's temperature.

## BABY INTERFACES

**Water Mattress:** All babies from 800 g



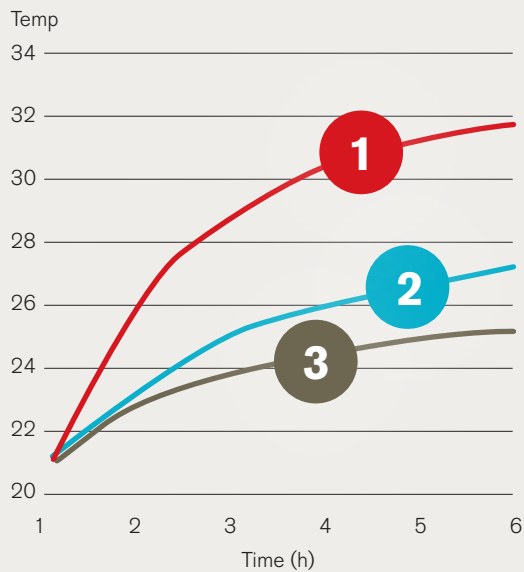
**Gel Mattress:** Near Term babies from 1500 g to full term



**Foam Mattress:** Term babies and for comfort heating



## WARMING EFFICIENCY



### 500 ml water bottle

- Kanmed Water Mattress
- Kanmed Gel Mattress
- Kanmed Foam Mattress

To estimate the warming efficiency a plastic bottle with 500 ml of water was placed on each of the mattress types when they were in steady state at 37° C. The bottle was covered with a double layer of cotton towel. The temperature rise in the water was then recorded.

**As shown above the Water Mattress has the highest energy transfer and is therefore the most efficient warmer.**

The efficiency of the water mattress has been documented in many published studies.

References include: PH Gray et al, University of Queensland, Australia. Cot nursing using a heated water filled mattress ... (2004).

Acta Paediatrica 93:308-310 2004-03-18.  
Prevention of Neonatal Cold Injury in Preterm Infants.  
Ragnar Tunell. Ass. Professor emeritus Stockholm.

## EASY TO USE



You can begin warming a premature baby on the Kanmed BabyWarmer from the moment baby is stable but still requiring minimal clinical intervention, such as light respiratory support!

Select a mattress type that is appropriate for the needs of the baby.

Insert the Heating Pad into the pocket under the mattress. Insert the mattress in the Kanmed BabyNest.

Press start and adjust the temperature.

When the Smiley on the Control Unit goes green the mattress temperature is ok for the baby.

### BENEFITS

- Encourages optimal growth
- Easy for staff to use and clean
- Considerable cost reduction compared to using an incubator

# CONFIGURE YOUR KANMED BABY WARMER

Different sizes of nests, disposable nests, water mattresses, etc. makes it easy to adapt the use of the Baby Warmer to the baby's need and to hospital routines.



## BW3-001 A COMPLETE KANMED BABY WARMER STANDARD DELIVERY CONSISTS OF:

BW3-020 Control Unit  
 BW-50-103 Water Mattress  
 BW-50-029-1 One bottle Anti Algae  
 BW3-002 Low Voltage Heating Pad  
 BW-50-025 Baby Nests (2pcs)  
 699-1171 Mains Cord  
 BW3-0xx Instruction Manual  
 Order optional Gel or Foam Mattress.



## BW3-003 HEATING PAD

Low Voltage 24 V DC, 50W, water tight and easy to clean. It has no potentially harmful magnetic or electrical fields – a unique Kanmed feature. Four integrated sensors continuously monitor system performance and temperatures. Length: 58 cm, Width: 25 cm, Thickness: 2 mm



## BW3-020 CONTROL UNIT

New design with easy to read display.

The new BabyWarmer offers you 3 under body warming methods using the same Control Unit and Heating Pad.

1. The Kanmed soft warm Water Mattress
2. A warmed soft special Gel Mattress
3. A warmed Foam Mattress

Sophisticated safety systems. You can also connect a standard YSI Skin Sensor for checking the baby's temperature. Can stand alone, be hung with its handle or pole mounted. Powered by 100–240 V AC or 12–24 V DC. Weight 1,5 kg, Diameter 14 cm, Height 21 cm. Average power consumption 15W.



## BW3-0837 VERTICAL POLE CLAMP

To position the BW3 Control unit on a vertical or horizontal pole.

# KANMED<sup>®</sup> BABYWARMER



## WATER MATTRESSES, GENERAL INFORMATION

All Kanmed Water Mattresses are made of strong, soft EVA plastic. They are constructed with damping walls that reduce water movements, but still remains flexible enough to respond to the baby's movement. A bottle of Anti Algae is included which is clinically proven to keep the water clean for up to one year.

### BW-50-103 WATER MATTRESS

This is the most commonly used Water Mattress. When filled to the level mark on the mattress it contains about 4–4,5 litres of water. Length: 60 cm, Width: 27 cm

### BW3-015 WATER MATTRESS FOR TWINS

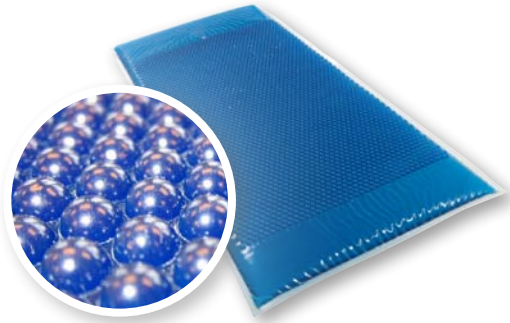
Special Water Mattress for twins and larger babies. It can be kept warm using only one Heating Pad. When filled to the level mark on the mattress it contains about 10 litres of water. Length: 60 cm, Width: 60 cm

### BW3-010 WATER MATTRESS FOR KANMED BABYBED

Special Water Mattress that covers most of the bed surface of the Kanmed BabyBed (BB-1 or BB-3) It can be kept warm using only one Heating Pad. When filled to the level mark on the mattress it contains about 9 litres of water. Length: 60 cm, Width: 40 cm

### BW3-099 YSI SKIN TEMPERATURE SENSOR

The skin temperature sensor is connected to the front of the Control Unit. The measured temperature with high and low alarms is automatically displayed. The temperature sensor does not control the warming of the Baby.



### GE-602815 GEL PAD WITH POCKET

The Kanmed Gel Pad is specially made for the BW3 Baby Warmer. The Gel Pad has a very nice granular like surface that makes it soft and comfortable for the baby to lie on. It has a pocket for inserting the Heating Pad. If for some reason the Water Mattress cannot be used the Kanmed Gel Pad is an ideal option.

Fits into the BW-50-025 Baby Nests. 60 x 28 x 1,5 cm



### BW3-203 FOAM MATTRESS WITH POCKET

This very soft and easy to clean Foam Mattress is intended for term or near term babies and for comfort heating. It is not designed for promoting growth for premature babies. It has a pocket for inserting the Heating Pad. 60 x 28 cm

### BW-50-029 ANTI ALGAE

Recommended to be used with the Water Mattresses as clinically proven to prevent algae and bacteria forming inside the Water Mattress. It will keep the water clean for one year. To be added each time water is changed or topped up. Pack of 20 bottles.





# KANMED° BABYWARMER



## **BW-50-025 AND BW-50-025-XL KANMED BABY NESTS**

The Kanmed Baby Nest is a reusable nest in one piece. Just slide the selected Mattress and Heating Pad into the pocket. The Baby Nest is intended, to facilitate correct physiological positioning and to provide a cosy environment around the Baby. Washing temperature: 60° C. Material Cover: Cotton, Filling: Polyester fibre, Baby Nest Length: 65 cm, Width: 35 cm

Height: 6 cm, Inner measure: 40 cm

BW-50-025 Baby Nest blue

BW-50-025-P Baby Nest pink

BW-50-025-Y Baby Nest yellow

## **BW-50-025-XL BABY NEST**

The Kanmed Baby Nest XL is for larger babies up to 4500 g, Nest Length: 65 cm, Width: 35 cm, Height: 6 cm, Inner measure: 60 cm



## **BW-50-027 BABY NEST FOR TWINS**

Nest to suit the Twin Water Mattress art no: BW3-015 or for two standard Water Mattresses. Length: 65 cm, Width: 55 cm, Height: 5 cm. (Only blue colour)



## **BW-50-250 DISPOSABLE BABY NEST COVER**

Very nice and soft, non woven material that is easy to form in the Baby Nest. It has a watertight underside. It is intended to protect either the disposable nest or the reusable nests. Length: 60 cm, Width: 85 cm. Box of 100 pcs.



## **BW-50-200 DISPOSABLE BABY NEST**

Made of Non Woven Material. Length: 65 cm, Width: 35 cm Inner measure: 40 cm. Box of 10 pcs.

## **BW3-007 BATTERY CABLE**

To connect the Control Unit to a car battery or similar 12 V DC supply. Equipped with a universal cigarette lighter plug for use in transport vehicles.





## THE MODERN HOSPITAL BABYBED THAT PROVIDES EFFICIENT ERGONOMICS

The Kanmed BabyBed provides the best care for premature and newborn babies in medium and low intensive care situations. The cosy BabyBed is developed together with neonatal nurses to guarantee a high level of ergonomics. The height of the BabyBed can easily be electrically adjusted and the see-through side walls are designed to fold for easy access to the baby. Soft silicone edges allows you to rest your

arms during treatments. The bed comes with a nicely designed tent to reduce the baby's exposure to light, air condition and sound. Most Kanmed BabyBeds are equipped with the Kanmed BabyWarmer. Together they form a modern care station in Neonatal Intensive Care, Maternity and Delivery wards. Kanmed BabyBed and BabyWarmer are used all over the world.

## KANMED BABYBED IS AVAILABLE IN THREE VERSIONS:

(The BabyBeds shown below are equipped with the KANMED BABYWARMER which is ordered separately)



### BB-1, KANMED BABYBED

#### Complete unit includes:

Electrical height adjustment, mattress, tent (model BB-21/3) with tent pole, shelf, power cable, 19 cm high foldable side walls (24 cm height is also available).



### BB-3, KANMED BABYBED FIXED HEIGHT

#### Complete unit includes:

Mattress, tent (model BB-21/3) with tent pole, shelf, 19 cm high foldable side walls (24 cm height is also available).



### BB-4, KANMED BABYBED TWINS

#### Complete unit includes:

Electrical height adjustment, mattress, tent (model BB-21/3) with tent pole, shelf, power cable, 24 cm high foldable side walls. Accommodates 2 complete Kanmed BabyWarmers or 1 Baby Warmer with the Twin Water Mattress and Twin Nest.

#### TECHNICAL DATA

ART. NO.	BB-1	BB-3	BB-4
DESCRIPTION AND COLOUR:	Standard bed. Unisex light blue.	Fixed height bed. Unisex light blue.	Twin bed. Unisex light blue.
INCLUDES:	Mattress, tent, tent pole, shelf, 19 cm side walls (24 cm for twin version) power cable (BB-1 & BB-4). Manuals and export packaging.		
OUTER SIZE:	760 mm x 560 mm	760 mm x 560 mm	850 mm x 700 mm
BED SURFACE SIZE/HEIGHT:	665 mm x 445 mm/70 cm-99 cm	665 mm x 445 mm/Fixed at 80 cm	765 mm x 640 mm/70 cm-99 cm
WEIGHT:	About 33 kg	About 25 kg	About 40 kg
WHEEL BASE:	700 mm x 500 mm. Wheels: diameter 125 mm. Front wheels with brakes. Tilt: $\approx 22^\circ$ C		
MATTRESS:	Polyether with PVC cover. (665 x 445 x 30 mm)	Polyether with PVC cover. (665 x 445 x 30 mm)	Polyether with PVC cover. (765 x 640 x 30 mm)
TENT:	Cotton and polyester. Washable 60° C (all models)		
SHELF:	Min 400 mm x 400 mm. All models. Max load 10 kg		
VOLTAGE:	100-240 Vac, 50/60 Hz	N/A	100-240 Vac, 50/60 Hz
POWER CONSUMPTION:	100 VA	N/A	100 VA
APPLIED STANDARDS: ALL BEDS CARRIES THE CE-MARK	SS EN 60 601. Conforms to MDD.	Conforms to MDD.	SS EN 60 601. Conforms to MDD.

## KANMED BABYBED ACCESSORIES:



### BB-101 DRAWER SYSTEM

Drawer system that is mounted on the back of the bed. Complete with 2 plastic store boxes (13 litres each) and a mounting bracket.



### BB-102 BACK SHELF COMPLETE

Vertical poles 25 mm, 2 horizontal rails 10 x 25 mm, 1 top shelf 500 x 300 mm. Including brackets and screws.



### BB-TENTS

Different colour tents are available. Please check colour and designs on [www.kanmed.se](http://www.kanmed.se).



### 700-0743 BOTTLE HOLDER

Stainless steel bracket for holding hand disinfection bottles. Max diameter 70–80 mm.



### TENT KIT FOR COTS

Fits into a standard cot. Min. width of cot 34 cm. Can rotate to move tent away from the cot. Is held in place by the mattress.



### 700-0750 POWER CABLE

Special power cable for powering the Kanmed BabyBed and Kanmed BabyWarmer



### 700-0829 PULLING HANDLE

To facilitate moving the bed around or for hanging various accessories.



# CONCLUSION

The Kanmed BabyWarmer and Kanmed BabyBed allows you to move a premature baby out of the incubator at an early stage and to start the very important mother child bonding using Kangaroo skin to skin care.



## KANMED<sup>o</sup> BABYWARMER

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