COCOON™

Essential care before, during and after surgery.

Convective Warming Machine

CWS 4000
OPERATOR MANUAL

CARE ESSENTIALS™

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ARTG LISTED PRODUCTS

CE 0805

CONTENTS

INTRODUCTION

This device should only be operated under the guidance/supervision of qualified medical/nursing personnel or other paramedical staff trained in the use of Convective Patient Warming Systems.

Intended Use

The Cocoon Convective Warming System is indicated for hyper or hypothermic patients or normothermic patients for whom induced hyper or hypothermia or localized temperature therapy is clinically indicated. In addition, the Cocoon Convective Warming System can be used to provide patient thermal comfort when conditions exist that may cause patients to become too cold or too warm. The Cocoon Convective Warming System can be used with adult and pediatric patients.

It is a pre-requisite for all persons using this medical device to understand the information contained in this Manual. Read and understand this Manual and all precautions prior to operating the Cocoon Convective Warming System.

The Cocoon Convective Warming System consists of a CWS4000 and a warming blanket. A connecting hose conducts heated air from the CWS4000 to the warming blanket.

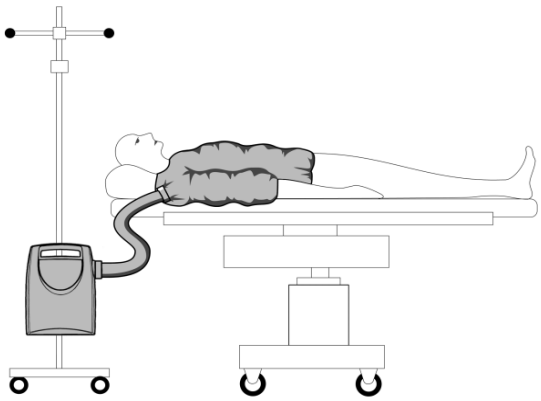


Figure 1 Convective Warming System

Care Essentials recommend that a program of regular routine maintenance, electrical safety and performance inspections be instituted for the CWS4000 as described in section 5.3.

The CWS4000 is a mains-powered, microprocessor-controlled device that delivers a continuous flow of temperature-controlled air through a flexible hose to the warming blanket. The temperature of the air delivered to the blanket can be set to one of six settings - ambient, 34^{o}C (93.2ºF), 37^{o}C (98.6ºF), 40^{o}C (104ºF), 43^{o}C (109.4ºF), or 46^{o}C (114.8ºF). When a temperature of 46^{o}C (114.8ºF) is selected, the setting automatically drops to 43^{o}C (109.4ºF) after 10 minutes. The CWS4000 will not cool the air delivered to the blanket below the ambient temperature of the room.

Air is drawn into the sides of the CWS4000 and passes through a bacteriological HEPA filter. The CWS4000 includes a number of over-temperature prevention systems and in a temperature fault condition it automatically shuts down and signals an alarm. The CWS4000 continuously monitors system integrity and performance from the time of start-up.

This Manual presents all the relevant operation information for the Care Essentials CWS4000 Cocoon Warming System. This information is intended for the purposes of operation and maintenance of the CWS4000. It is provided as Commercial-In-Confidence material to the Care Essentials Distributor or CWS4000 owner and shall not be made available to any other organization or person without the specific written permission of Care Essentials.

While every attempt has been made to ensure this manual is accurate and complete, no responsibility is taken for any errors or omissions. Care Essentials has a policy of continuous

product improvement. Product specifications and component types are subject to change without notice.

If you, as a user of this manual, have any relevant comments or questions about the CWS4000 or this Manual, your communication with Care Essentials would be welcomed. Our contact details are located on the first page of this Manual.

1. OPERATION

1.1. Unit Setup

The CWS4000 may be placed on the floor, mounted on the bed rails of the bed using the bedrail hooks, or clamped to an IV pole using the IV pole clamp. When using an IV pole, do not mount the CWS4000 higher than 1 metre or it could tip over. Do not place the CWS4000 on a bed surface. Note that if the CWS4000 is placed on the floor, increased levels of dust and lint could reduce filter life.

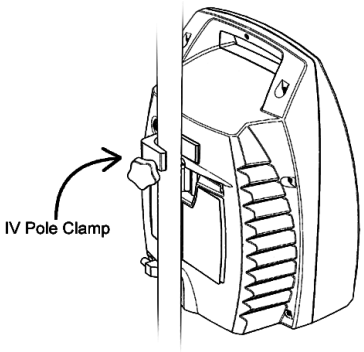


Figure 2 IV pole or stand mounted

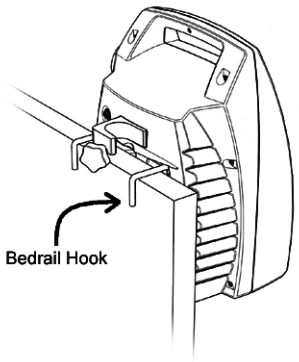


Figure 3 Bed rail mounted

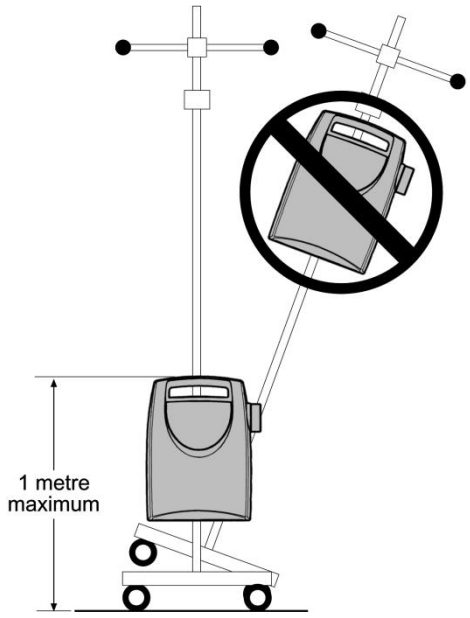


Figure 4 Pole mounting height limit

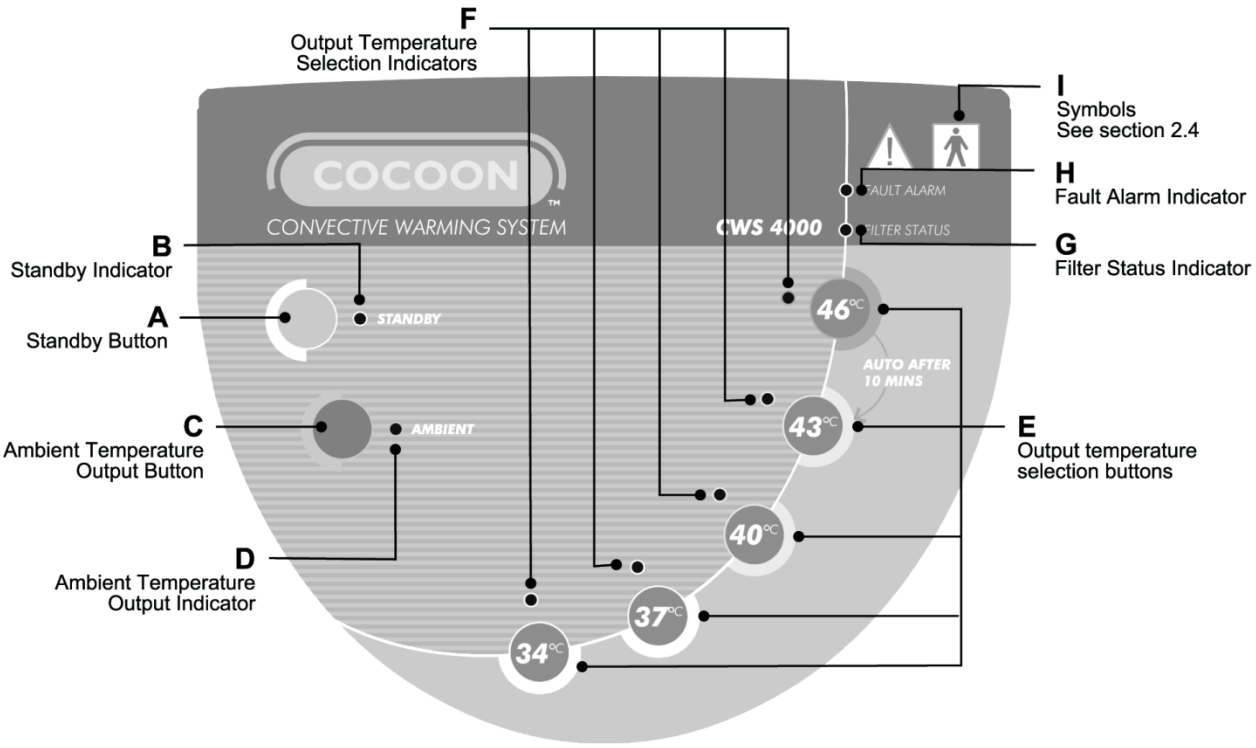


Figure 5 Operator control panel

1.2. Getting Started

Plug the mains cable into a conventional, properly earthed mains power socket-outlet and switch it on. The green **Standby indicator (B)** will illuminate and the CWS4000 will beep when power is connected.

Ensure that air is not prevented from entering the inlet slots at the sides by blankets or other objects.

Remove the CE Marked warming blanket from its packaging. Unfold the warming blanket and place it over the patient as per the blanket instruction. Connect the air delivery hose to the warming blanket by pushing the plastic fitting into the air inlet port and securing it firmly. Refer to Section **Error! Reference source not found.** for commingling information relating to the use of Cocoon warming blankets with other manufacturer's warming units.

1.3. Unit Operation Procedure

Select the desired temperature on the control panel by pressing the **ambient temperature output button (C)** or one of the **output temperature selection buttons (E)**. The appropriate green or yellow light **(D or F)** will indicate the selected temperature setting. Another temperature may be selected at any time. When using 34°C (93.2ºF), 37°C (98.6ºF), 40°C (104ºF), 43°C (109.4ºF), or 46°C (114.8ºF) temperature settings, place your hand under the warming blanket to confirm that the CWS4000 is supplying warm air. Placement of a blanket, sheet or drape over the inflated warming blanket may be undertaken to maximize the efficiency and minimize the heat loss from the system. When using additional covers it is important to ensure air flow through the convective warming blanket is not disrupted.

The internal timer will automatically decrease the temperature setting from 46°C (114.8ºF) to 43°C (109.4ºF) after 10 minutes. This timer can be reset by re-selecting the 46°C (114.8ºF) temperature setting.

Switch the unit off by pressing the **standby button (A)**. The green **standby indicator (B)** will illuminate when the unit is off.

The unit will automatically switch off in an alarm condition and the green **standby indicator (B)** will illuminate together with the red **fault alarm indicator (H)**. In the event that the **fault alarm indicator (H)** illuminates, disconnect the CWS4000 from the patient and from the mains power supply and have it serviced by trained personnel.

The **filter status indicator (G)** provides the user with information on remaining filter life. This indicator is interpreted as follows:

Indication	Description
Steady green indicator	Filter status normal
Steady orange indicator	Filter life has reached 950 hours
Flashing orange indicator	Filter life has reached 990 hours
Steady red indicator	Filter life has exceeded 1000 hours and requires replacement

2. PATIENT WARMING BLANKETS

Care Essentials manufactures both Cocoon single-use and reusable (available Australia only) patient warming blankets. Use only patient warming blankets and machines recommended by Care Essentials. Failure to do so may result in thermal injury.

2.1. Cocoon Disposable Patient Warming Blankets

Features of Cocoon disposable patient warming blankets include:

- Warm, soothing, cocooning design.
- Single use. This product is not for reuse due to the risk of cross infection.
- Universal inlet port ensures hose stays firmly in the blanket.
- Latex free.

Full range of blankets. Refer to www.careessentials.com.au for details.

2.2. Cocoon Reusable Patient Warming Blankets

Features of Cocoon reusable patient warming blankets include:

- Technically advanced smart fabric.
- Antistatic and non-linting.
- Oil and water repellent.
- Universal air inlet is designed for ease of use and offers a secure fitting to all convective warming machines.
- Cocoon reusable blankets are an environmental friendly alternative to disposable blankets.

Full range of blankets: refer www.careessentials.com.au for details.

This is a reusable product, which should be laundered between patient uses as per the provided washing instructions with blankets.

Care Essentials will review the blankets, with the intention of removing them from use, two years following the date of issue.

2.3. Practical Issues to Consider When Selecting and Using Blankets

- Select the correct style and size of blanket.
- Ensure the CWS4000 delivery hose is attached securely.

- Secure the position of the blanket on the patient using tapes and ties.
- Place the convective warming blanket directly against the patient's skin.
- When using additional covers over the patient, e.g. sheets, blankets or drapes, it is important to ensure air flow through the convective warming blanket is not disrupted.
- Inflate the blanket before adding additional covers.
- Monitor the temperature setting on the CWS4000.
- In the course of temperature monitoring by clinical staff, if the temperature of the patient is still going down, the CWS4000 should be checked for the performance inspection as per section 3.3 of the Service Manual.
- In case the warming through CWS4000 is not found effective, clinicians should consider an alternative warming.

2.4. CWS4000 Operating Mode

The temperature of the air delivered to the blanket can be set to one of six settings ambient, 34°C (93.2ºF), 37°C (98.6ºF), 40°C (104ºF), 43°C (109.4ºF), or 46°C (114.8ºF)

Select the desired temperature on the control panel by pressing the ambient temperature output button or one of the output temperature selection buttons 34°C (93.2ºF), 37°C (98.6ºF), 40°C (104ºF), 43°C (109.4ºF), or 46°C (114.8ºF). The CWS 4000 will deliver air within the specific temperature range given bellow.

Temperature Mode	Temperature of Delivered air
34°C	34°C±2°C
37°C	37°C±2°C
40°C	40°C±2°C
43°C	43°C±2°C
46°C	46°C±2°C
Ambient	deliver air to the blanket at the ambient temperature of the room.

When the temperature mode selected, CWS4000 starts functioning as follows:

- The green light indicator next to the selected temperature illuminates.
- Fan motor operates.
- Heater activation as per temperature settings except ambient mode, when heater does not get activated.
- Hour meter connected on the main PCB gets activated.

2.5. CWS 4000 Standby Mode

Select the standby button to place the unit in standby mode. When in standby mode, the following events occur;

- Illuminates standby green indicator light.
- Turn off heater & fan
- Deactivate hour meter
- Alarm and fault detection function remains active.

3. SYMBOLS

The following symbols are used on the Cocoon Convective Warming System:

Follow Operating Instruction

Attention: Refer website or manual

Dangerous voltage

Type BF applied part

Do not free hose

Single patient Use

NON STERILE

The device has not been sterilised

Latex free

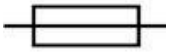
Keep Dry

Date of Manufacture

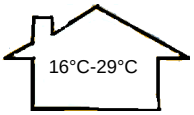
European Authorized Representative

European Conformity

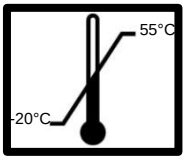
Protective earth ground



Fuse



Ambient operating temperature range, indoor use only



Storage Conditions

4. SAFETY PRECAUTIONS

Review the following safety precautions prior to servicing the CWS4000.

4.1. Danger

- Explosive hazard. Do not use in the presence of flammable anaesthetic agents.
- Risk of electric shock. Disconnect mains power before servicing the CWS4000.

4.2. Contra-indications

- The 46 degree Celsius setting is not recommended for patients who are non-responsive or with impaired circulation.
- Device is only to be used by or under the advice of healthcare professionals.

4.3. Warning

- To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
- Do not apply heat to lower extremities during aortic cross clamping. Thermal injury may occur if heat is applied to ischemic limbs.
-  No free hosing – use of the CWS4000 without a compatible convective warming blanket may cause thermal injury.
- Ensure that no direct or indirect contact is made between the patient and the communications connector located on the rear of the CWS4000.
- Do not use other warming devices in conjunction with CWS4000 unless guided by appropriate qualified clinician.
- The CWS4000 must only be opened or serviced by qualified personnel such as certified biomedical electronics technicians or certified clinical engineers familiar with repair practices for servicing medical devices, and in accordance with the Service Manual. Damage to the CWS4000 or malfunction could otherwise result.
- Ensure the CWS4000 is subjected to the specified routine electrical safety and performance inspections.
- The temperature of the patient should be continuously be monitored at a regular interval.
- In the course of temperature monitoring by clinical staff, if the temperature of the patient is still going down, the CWS4000 should be checked for the performance inspection as per section 3.3 of the service manual.
- In case the warming through CWS4000 is not found effective, senior clinicians should be informed for an alternative warming.
- In the event of excess fluid contact with the CWS4000 it is recommended that the unit be disconnected from the mains power supply and checked by qualified personnel.
- Use only in accordance with Operator Manual instructions.
- Do not position the CWS4000 so that it is difficult to operate the appliance plug and socket.
- Do not lay non-porous peach side of the Cocoon blanket touching the patient. Always lay the porous white side of the Cocoon blanket over or under, touching the patient.
- Do not use a Cocoon blanket to transfer or move the patient.

- Do not allow the patient to lie on the warming unit hose or allow the hose directly contact the patient's skin during patients warming, thermal injury may result.
- No modification of this equipment is allowed.
- The unit will automatically switch off in an alarm condition and the green standby indicator will illuminate together with the red fault alarm indicator on the front key pad.
- To avoid injury, do not use the CWS4000 patient warming system for therapy, unless the CWS4000 system is free from mechanical damage, mounted securely or safely placed on a hard surface.
- Do not use material of good conductivity such as water, gel and other similar substances underneath the blanket. If used, it will lead to decrease of effectiveness of warming.

4.4. Caution

- Operate the CWS4000 only in the specified supply voltage range as detailed in Section 10 below.
- When using an IV pole, do not mount the CWS4000 higher than 1 metre or it could tip over.
- Use only with 5 wheel base IV pole with atleast 3 wheels with breaking padels and maximum height of 1m.
- Monitor the temperature and cutaneous response of patients who are incapable of reacting, communicating and/or who are without a sense of feeling according to institutional protocol. Monitor the patient's vital signs regularly. Adjust air temperature or discontinue therapy when the therapeutic goal is reached or if vital sign instability occurs. Notify physician of vital sign instability immediately.
- Do not leave paediatric patients including infants unattended during therapy.
- It is not recommended that the unit be operated with a filter, which has exceeded the specified life period.
- Federal US law restricts this device to sale by or on the order of a physician.
- To reduce the risks associated with environment contamination, follow applicable regulations when disposing this device along with accessories or any of its electronic components.

4.5. Electromagnetic Interference

The CWS4000 has been designed to comply with IEC 60601-1-3rd Edition (Medical electrical equipment – Part 1: General requirements for safety. 2. Collateral standard: electromagnetic compatibility – Requirements and tests) but this does not guarantee that other equipment in the vicinity will not be affected by the electromagnetic emissions from the CWS4000. Similarly, other equipment in the vicinity may affect the operation of the CWS4000.

It is recommended that all equipment used near the CWS4000 comply with the relevant electromagnetic compatibility requirements for that equipment and to check before use that no interference is evident or disruptive. Increasing the distance between offending devices, and keeping interconnecting leads as short as possible will help reduce the effect.

5. PREVENTATIVE MAINTENANCE

5.1. Cleaning

- Do not immerse the device or hose while cleaning. Moisture will damage the components and thermal injury may occur.
- Do not use a dripping wet cloth to clean the device. Moisture may seep into the electrical contacts and damage the components.
- Do not use alcohol or other solvents to clean the labels of the device, strong solvents may damage the labels and other plastic parts.
- Disconnect the device from the power source before cleaning.
- Clean the CWS4000 control panel, enclosure exterior, and hose with a soft cloth lightly dampened with a non-staining hospital disinfectant or mild detergent or antimicrobial spray
- Dry with separate soft cloth.
- Clean accumulated dirt and lint from the air inlet slots using a vacuum cleaner.

5.2. Filter Service

Only qualified service personnel may change filters. Refer to the CWS4000 Service Manual for instructions on replacing the filter. Under normal use, replace the HEPA filter inside the CWS4000 every 1000 operating hours or 12 months, whichever occurs first. The **filter status indicator (G)** will warn of the need for filter replacement.

5.3. Electrical Safety and Performance Inspection

Care Essentials recommend that the CWS4000 receive regular electrical safety inspections. Information on the type and frequency of inspections may be obtained from locally published technical standards.

In Australia, the relevant technical standards are:

AS/NZS 3551 Technical management programs for medical devices.
This standard specifies procedures required to develop equipment management programs for medical devices. Some of these include procedures for acceptance, fault management and routine testing of medical devices. This standard specifies electrical safety, essential safety and performance testing.

AS/NZS 2500 Guide to the safe use of electricity in patient care.
This standard provides a comprehensive guide to the safe use of electrically operated equipment used in health care facilities. Measures are detailed to provide and maintain patient and operator safety, including details of the classes of equipment and electrical installations to be used for particular medical procedures.

Programmed electrical safety inspections are essential to confirm continued operator and patient safety. Mandatory, statutory requirements for electrical safety inspections may also apply.

Care Essentials also recommends that the CWS4000 receive at least an annual performance inspection as described in the CWS4000 Service Manual. As a minimum electrical safety inspection, performance inspection and temperature limit thermostat test should be performed annually.

6. TROUBLESHOOTING

6.1. Warming Blanket Will Not Inflate

- Make sure the CWS4000 is plugged in to an energized mains power socket-outlet.
- Check both ends of the delivery hose for proper connection.
- Check the delivery hose and warming blanket inlet for kinks.
- Check that there are no obstructions to the air inlet slots.
- Check the warming blanket for damage. If air is flowing from the hose, try another warming blanket.
- Request qualified service personnel check for a clogged or dirty filter.
- Check for fault alarm.

6.2. Standby Indicator Will Not Light

Extremely high storage temperatures (such as those found motor cars on hot summer days) can cause the temperature limit thermostats in the CWS4000 to actuate. Should this occur, the **standby indicator (B)** will fail to light when the CWS4000 is connected to mains power. If this occurs, simply wait for the CWS4000 to cool down and eventually the thermostats will automatically reset and the **standby indicator (B)** will light.

Request qualified service personnel check for blown mains power fuses.

6.3. Equipment Repairs

Repairs to the CWS4000 should be performed by qualified personnel such as certified biomedical electronics technicians or clinical engineers familiar with repair practices for servicing medical devices, and in accordance with the CWS4000 Service Manual. Damage to the CWS4000 or malfunction may otherwise result.

7. ACCESSORIES

7.1. Stand

An optional stand for the CWS4000 is available.

7.2. User Training

In-service training is available from Care Essentials or a nominated distributor.

8. WARRANTY

The CWS4000 is warranted free of defects in material and workmanship under normal use and operation for a period of one year, under the terms and conditions of the Care Essentials warranty in place at time of purchase. During the warranty period, Care Essentials will repair or replace at its sole option, free of charge, any defective parts or products returned with prior authorization prepaid to Care Essentials. Consumable items such as filters are excluded. The full warranty is available from Care Essentials upon request.

This warranty does not cover products abused, misused, or altered outside the factory. There are no obligations on the part of Care Essentials for consequential damages arising out of or in connection with the use or performance of the product. Care Essentials disclaims all implied warranties including but not limited to, the implied warranties of merchantability and of fitness for a particular purpose.

This warranty does not cover the following accessories or consumables; filters, hose covers, power cords, or accessory blankets.

9. RETURNING OF UNIT FOR REPAIR

9.1. Australia

Call Customer Service (+61 3 5277 1455) or write to queries@careessentials.com.au, to request a Return for Repair.

The Cocoon CWS 4000 must be cleaned and disinfected (by wiping over with Chlorhexidine 0.5% in Alcohol 70% solution) prior to return to Care Essentials.

The Cocoon CWS 4000 must be packaged with suitable packaging to protect the machine in transit. (Preferably the Cocoon carton and foam packaging, as supplied with the machine.)

Apply the shipping label addressed to Care Essentials Pty Ltd.

9.2. Worldwide

Contact your local distributor/supplier/agent for any warranty repair, replacement or parts requirements.

10. SPECIFICATIONS

ELECTRICAL	
Rated input	220-240 VAC, 50/60Hz 110-120 VAC, 50/60 Hz
Supply Power	1100 Watts Maximum
External Fuses	2 x 6.3 Amp 250V Time Lag (T) 5x20mm (220-240 VAC) 2 x HBC 10 Amp 250V Time Lag (T) 5x20mm (110-120 VAC)
Heater	1000 Watt heating element
Fan Motor	45 Watt / 230 V 46 Watts / 115 V
Power Cord	5m
Leakage Current	Meets UL 60601-1 – 3rd edition and IEC 60601-1 3rd Ed requirements
CLASSIFICATION	
Applied Parts	Warming Blanket
Applied Part classification	Type BF
Device classification	Class IIB
Mode of operation	Continuous
Degree of protection against ingress of liquid	Not rated
Degree of safety in the presence of flammable anaesthetic mixtures with air/oxygen/nitrous oxide	Not designed for use in the presence of flammable anaesthetic mixtures with air/oxygen/nitrous oxide.
Method of disinfection	Surface disinfection is possible using a cloth moistened with a mild, non-staining, disinfectant solution.
PERFORMANCE	
Temperature settings indicate the average air temperature at the end of the delivery hose	Ambient, 34°±2ºC (93.2º±3.6ºF), 37°±2ºC (98.6º±3.6ºF), 40°±2ºC (104º±3.6ºF), 43°±2ºC (109.4º±3.6ºF), 46°±2ºC (114.8º±3.6ºF), Note: The air temperature around the patient is affected by the ambient air temperature, the warming blanket type and the use of an insulating blanket placed on top of the warming blanket. Recommended operating environment is 16ºC (60.8 ºF) to 25 ºC (77 ºF)
Temperature accuracy of delivered air, except for the ambient temperature setting	About ± 2°C (±3.6ºF) with delivery hose cover. Not specified without delivery hose cover.
Environmental conditions required to achieve the specified temperature accuracy	16ºC (60.8 ºF) to 25 ºC (77 ºF) 30% to 70% relative humidity, non-condensing, maximum altitude of 2000m

Time required to attain the specified temperature accuracy of delivered air following a change in temperature setting including temperature rise from 23±2ºC to 37ºC	About 2 – 5 minutes depending on the blanket models
SAFETY SYSTEMS	
Dual temperature limit thermostats	Either of two independent 53^{o}C (127.4 ºF) self-resetting thermostats removes power from the CWS4000 if the delivered air exceeds a preset limit temperature.
Heater temperature limit devices	A 98^{o}C(208.4ºF) thermal fuse
Temperature limit alarm	Continuous temperature monitoring guarantees that the temperature of the delivered air maintains its specified accuracy.
Control system failure alarm	Continuous self-monitoring by the control system ensures that it always functions predictably.
PHYSICAL	
Dimensions	29 cm x 22 cm x 40 cm
Weight	6 Kilograms
Enclosure	Flame-Retardant ABS-PC Plastic
Filter type/Life	Bacteriological HEPA filter/ 1000 hours
Storage conditions	-20°C to +55°C (-4°F to +131°F)
Hose engagement with blanket	A tightly engaged blanket with the hose can withstand over 20N force

11. APPROVALS

The CWS4000 has achieved the following medical device approvals.

Certifying Body	Title	Standard
Wakefield Laboratories Report No. 21977	Medical Electrical Equipment Part 1: General requirements for safety for CWS 4000/220V-240V	IEC 60601 – 1: 1988 + Amendments 1 and 2 (AS/ NZS 3200.1.0:1998)
EMC Technologies Report No. M050325	Medical Electrical Equipment Part 1: General requirements for safety Section 2. Collateral Standard: Electromagnetic Compatibility – Requirements and tests for CWS 4000/220V-240V	IEC 60601 – 1 – 2: 2004

Care Essentials	Medical Electrical Equipment Part 1: General requirements for safety for CWS 4000/220V-240V Medical Electrical Equipment Part 1: General requirements for safety Section 2. Collateral Standard: Electromagnetic Compatibility – Requirements and tests for CWS 4000/220V-240V	IEC 60601 – 1: 2007 IEC 60601 – 1 – 2: 2007
UL International New Zealand 21 Tarndale Grove, Albany Auckland 0632, New Zealand T: +64 9 414 9580 W: ul.com	Medical Electrical Equipment Part 1: General requirements for safety Part A. Collateral Standard: Electromagnetic Compatibility – Requirements and tests for CWS 4000/110V-120V	Particular Standard - IEC 80601-2-35, Heating Blankets Pads and Mattresses (2009)_ (IEC 60601 3rd Edition Affiliated) ANSI/AAMI ES60601-1 (2005+C1+A2) CSA C22.2 No 60601.1 (2008) IEC/EN 60601-1 (2005/2006+C1+C2) 80601-2-35 Heating Blankets Pads and Mattresses (2009)
UL International New Zealand 21 Tarndale Grove, Albany Auckland 0632, New Zealand T: +64 9 414 9580 W: ul.com	Full Safety Evaluation, including: (UL Classification) (cUL Classification) (Informative Test Report), for CWS 4000/110V-120V	Particular Standard - IEC 80601-2-35, Heating Blankets Pads and Mattresses (2009)_ (IEC 60601 3rd Edition Affiliated) ANSI/AAMI ES60601-1 (2005+C1+A2) CSA C22.2 No 60601.1 (2008) IEC/EN 60601-1 (2005/2006+C1+C2) 80601-2-35 Heating Blankets Pads and Mattresses (2009)

12. APPENDIX 1. COCOON CWS4000 PRODUCT INFORMATION

Model	Care Essentials Pty Ltd, Cocoon CWS4000 (220V-240V/110V-120V)
Where Marketed	Australia, Asia, Middle East, Africa, Europe, North America, South America etc
FDA Clearance	No (510K being applied for)
CE Mark	Yes, CE 0805
Configuration	Mobile, portable, pole or bed mounted, trolley
Applications	Operating Theatre, Intensive/Critical Care Area, Recovery, Emergency/Trauma, Ward
Controls	Keypad
Display Type	LED Visual Indicators
Function Indicators	Standby, Filter Status, Fault Indicator, six temperature settings plus ambient setting. Ambient to 46 degrees Celsius
Line Power, VAC	110-120 VAC or 220-240VAC
Warmer Power, W	1100 watts maximum
Blanket	Full range of disposable and reusable types
Hose Length	1.8 metres
Temp Settings	Ambient, 34, 37, 40, 43, 46 degrees Celsius (93.2, 98.6, 104, 109.4, 114.8 degrees Fahrenheit)
Safety Thermostats	53 degrees Celsius ±3 degrees Celsius (127.4 degrees Fahrenheit ± 5.4 degrees Fahrenheit)
Automatic Overheat Shutoff	Yes
Alarm Conditions	High temperature safety cut out fuse, visual and audible
Noise Level	<50dB
Warm Up Time	About 2 -5 minutes
Air Flow	38 CFM
Filtration System	Yes, HEPA Filtration 0.2 µ

H x W x D	40cm x 29cm x 22cm
Weight	6 kg
Warranty	2 years
Delivery Time	0 – 3 weeks
Other Specifications	Heater Element – thermal fuse, test port through windows Hyper-terminal communications program

13. APPENDIX 2. COCOON REUSABLE BLANKET WASHING AND FOLDING INSTRUCTIONS

Care Essentials recommends the following Cocoon reusable blanket washing instructions to laundries.

Washing Instructions

Loading Instructions

Machines should be loaded to no more than 60% of their capacity to reduce friction to the fabric, which will reduce the longevity of the blanket.

Cold rinse, wash at 60 degrees C for 10 minutes using a blended non-ionic surfactant pack detergent at a PH of 10 to 10.5; followed by 6 rinses and then adjust PH to 5 to 6.

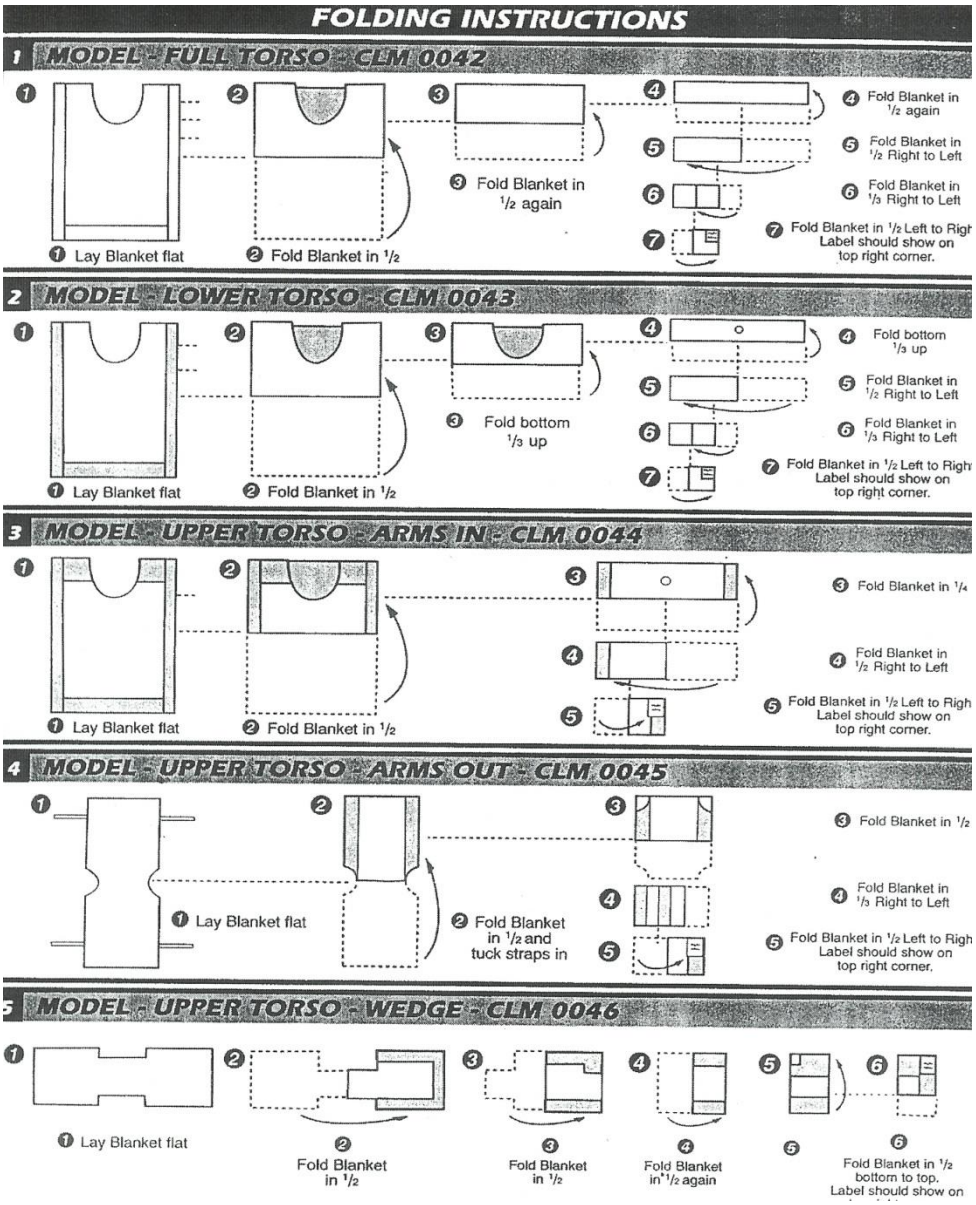
Tumble Drying

Tumble drying should be carried out in a reduced capacity to ensure complete drying of the blankets.

Folding and Packaging

Sealable plastic bags are provided free of charge to the laundry for packaging each time product is laundered. Plastic bags are clear so product labels can be clearly viewed and included manufacturers name and contact details.

Folding instructions are provided below for laundries to ensure blankets are folded correctly when re-packaged.



Sterilisation

Reusable blankets can be sterilized in accordance with the sterilizing performance requirements detailed in AS 4187.