

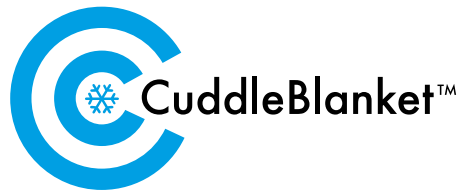
# Operation & Maintenance Manual

CuddleBlanket™ System for the Cooling  
of a Single Deceased Adult or Child



Model designation: HC170  
Product Type: Mortuary Cooling System

THIS IS NOT A MEDICAL DEVICE  
Please read this manual before use



This instruction manual is compiled to assist the installation, commissioning, servicing and operation of the CuddleBlanket™ cooling system. This unit has been designed for continuous operation providing that it has been installed and maintained in strict accordance with this manual. The user should read the contents before installing the unit.

If the machine is not installed correctly, safety and protective measures or functions may not operate correctly or as intended.

Any liability for injury or damage caused by the incorrect installation and use of this machine lies exclusively with the user.

The manufacturer will not accept responsibility for damage caused by incorrect installation commissioning or operation.

*Note: The machine contains powered electrical devices and moving parts.*

## System components

- 1 x sturdy plastic storage/carry case with metal closures
- 1 x mains powered cooling unit
- 1 x mains power cord
- 1 x flexible plastic cooling pad (reusable)
- 1 x flexible insulated connection hose
- 1 x insulated over blanket
- 1 x bottle of Coldflow2 coolant top-up, 2 litres
- 1 x loop back test hose
- 1 x user guide



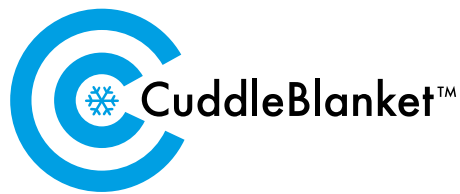
## Connections

Use only hoses, cooling pads and ColdFlow2 approved by CuddleBlanket™.

## Electrical installation

The CuddleBlanket™ system should be installed by a competent person. The electrical connections should be made using the 13A plug and lead supplied. An IEC socket is fitted on the side of the unit.

Ensure the supply is according to the electrical requirements stated on the serial number label on the rear of the unit. This label identifies the voltage/frequency and the maximum current.



## Quick Start Guide

We strongly advise that at least 3 hours has elapsed between the deceased's passing and use of the cooling system as the body will still be warm. Allow some natural cooling for a few hours before insulating.

### 1. Setting up the CuddleBlanket™

Ensure unit is switched OFF at the rocker switch adjacent to the power cord socket. Plug in the electrical cable ensuring the unit is kept flat and in a well-ventilated area with around 30cm of flow space around the unit. Do not enclose within a cupboard or unit etc.

### 2. Connecting the hose

Plug the 2 male connectors of the long blue insulated hose firmly into the ports on the side of the unit. You will hear a click. It does not matter which way round you connect the hoses to the unit.

### 3. Connecting the cooling pad

Place the cooling pad over the deceased, just below the neck. We recommend placing a sheet over the deceased first. Then use another sheet over the cooling pad before using the supplied insulated duvet. This will help with cleaning and any condensation that may build up. You can place any blanket or cover over the supplied duvet, it will not affect the system. Ensure the duvet is tucked around the deceased to minimise warm ambient air reaching the cool pad.

### 4. Switch on the CuddleBlanket™

Switch the CuddleBlanket™ ON using the black rocker on/off switch adjacent to the power cord socket.

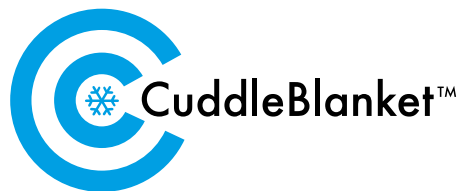
### 5. You may need to top up the CuddleBlanket™ with cooling fluid (Coldflow2)

Fluid will begin to circulate from the CuddleBlanket™ through the hoses and to the cooling pad. The fluid level within the reservoir window may begin to drop and the alarm may sound briefly. For additional ColdFlow2 fluid, please contact [info@cuddlecot.com](mailto:info@cuddlecot.com).

**No alarm** – the CuddleBlanket™ is fully operational; please move to stage 6.

**Alarm sounds** – Do not turn off the unit, unscrew the filler cap and continuously fill the unit with Coldflow2 cooling fluid using a jug or funnel, avoiding spillage onto the unit. Fill approximately to the red line shown on the reservoir window.





## 6. Setting the temperature

The machine will remember the temperature it was set to during its last operation.

**Don't need to change the temperature?** Please move to stage 7.

**Need to change the temperature?** Follow the 3 steps below. The display will run through a self-test programme for the first few seconds after switching on the system, this is normal.

1. Press the 'P' button on the display once. 'SP-1' (set point) will be displayed in red at the top of the display.
2. Using the up and down arrow, select the required temperature in green. 8-10°C is usual.
3. Press the 'P' button again to set the system. The machine will cool the circulating fluid to this temperature. The temperature of the fluid is shown by the red display and the green shows the set point.



## 7. Turning off the system

Switch off the unit at the black rocker switch, remove the hose by depressing the grey connector release buttons and unplug the machine. A few drops of the fluid will be lost from the connectors, this is normal.

**IMPORTANT:** Always allow the cooling pads to warm back up to room temperature before folding to pack away to reduce the wear on the pads.

## 8. Warning lights, alarm and topping up the CuddleBlanket™ unit with Coldflow2 fluid

The alarm will sound and the red LED light will illuminate if there is an obstruction to flow or if the reservoir is low on fluid. (Fig.1)

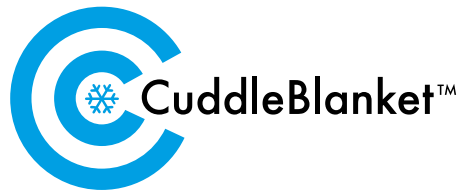
The reservoir should always be kept topped up during operation. Leave the unit switched on, remove the filler cap and top up slowly to the red line. (Fig.2)



Fig.1



Fig.2



## Basic Specification

### Product Description

The CuddleBlanket™ is a closed circuit recirculation unit designed for continuous operation and is used to cool bodies using a 'closed loop' cooling system through a cooling pad and hose.

### Specification

Fluid: Use only our Coldflow2 cooling fluid. A data sheet is available upon request.

Note: Internal damage will occur if any other fluid is used (including water).

### Electrical Supply

Mains Supply: 230Va/50Hz or 115Vac/60Hz

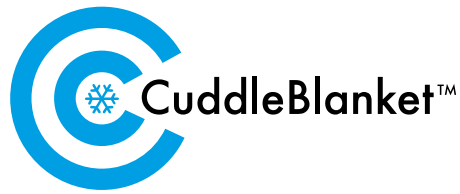
Total system AC current load:            230Vac – 3.7A (typical) maximum current 5A  
    115Vac – 7.0A (typical) maximum current 8A

### Physical *(all measurements are approximate)*

Overall chiller unit dimensions: 365mm x 249mm x 349mm

Cooling pad dimensions: 100cm x 70cm

Weight: 11kg (drained)



## Unpacking and Positioning

### Unpacking the CuddleBlanket™

Before unpacking the CuddleBlanket™ unit, inspect the blue packing case for any signs of damage. Carefully remove unit from packing case. Check unit for signs of transit damage.



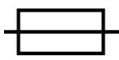

If transit damage is discovered, immediately inform both the delivering haulage company and CuddleCot in writing. Take photographic evidence and retain all packaging materials.

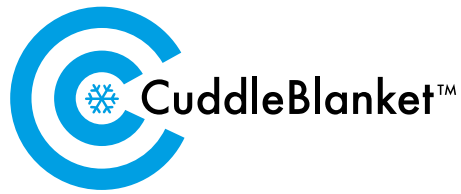
Please observe all local and governing recycling requirements when disposing of packaging materials.

### Positioning the Equipment

- The equipment must only be positioned indoors.
- The CuddleBlanket™ chiller unit must be kept upright at all times.
- The equipment must be positioned on a level surface.
- Avoid positioning in an area where other plant operations create a high ambient temperature.
- The chiller will operate most efficiently in ambient temperatures up to 23°C
- The equipment must be installed in a well-ventilated area. Avoid obstructing the air grilles as these allow fresh air to enter the unit and warm exhaust air to escape.

*Note: Recirculating hot exhaust air will adversely affect the performance of the equipment*

Symbol	Description
230 Vac 50 Hz 	Hazard — Electricity
PE 	Protective Earth
	Mains Fuse
	Power on/ off
'Power supply 1'	24Vdc power supply operating when lit — Unit ON
'Power supply 2'	12Vdc power supply operating when lit — Unit ON
'Fluid Fault'	Fluid flow fault when lit. Normally unlit



## Compliance

- CE compliant, EMC/LV compliant
- This cooler complies with the IEC International Standard 60335-1
- UL certification pending

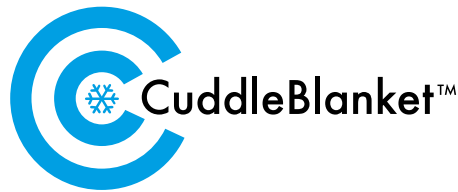
Any changes to the construction or its intended use by the customer may void the compliance.

## Moving and Handling

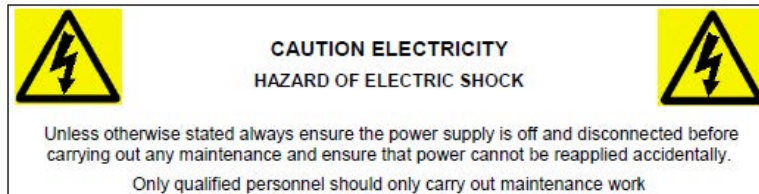
When moving the unit please ensure the two side handles are used.



Before moving the unit to another location ensure the unit is turned off and the electrical supply is disconnected from the supply and the unit.



## Maintenance



During fault finding diagnostics and maintenance, it may be necessary to remove panels, which expose the dangers of electrical equipment. Only qualified personnel who are fully trained and equipped to repair this equipment should complete such work.

Isolate the unit from the mains electrical supply before opening control panels or removing any exterior panel.

Never alter settings (apart from temperature set point) without first consulting us.

## General Maintenance

- Clean the CuddleBlanket™ chiller metal surfaces with a clean damp cloth.
- Clean plastic surfaces with any plastic safe cleaner or disinfectant.
- Model HC170. Issue Number 8. Date 17.01.2022. 9
- Ensure all external grilles are clear of dust and debris
- Insulation blanket can be gently washed at 30°C. Reshape while damp. Do not tumble dry
- Check all screwed fittings and panels are in place
- Perform Portable Appliance Test (PAT) including power cord
- It is recommended that a yearly preventative maintenance check is carried out by us.

## Disposal of equipment (End of service life)

UK WEEE Regulations 2006

This equipment has been designed using recyclable and RoHS compliance standard parts (where design conditions permit). Please read the information below for how to dispose of this equipment.

For business users in the European Union:

**At the end of its service life the unit can be returned for decommissioning and recycling to CuddleCot. Please contact us on +44 (0)8455 333561 for further information.**

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