Stage IV Millennium 3

Operating Instructions

SenTech™ Medical Systems, Inc.

3-Zone Pressure Relief System with Controlled Low Air Loss

Important Notice

Before operating this medical equipment, it is important to read this manual and to understand the operating instructions and safety precautions. Failure to do this could result in patient injury and/or damage to the products.

If you have any questions, please contact Novis Healthcare on 1300 738 885.

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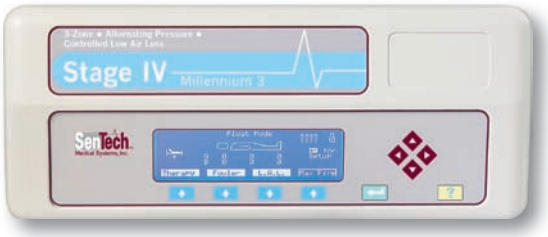


1.0 Safety Precautions

The purpose of safety precautions are to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding.

The safety warnings by themselves do not eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

The following symbols may appear in this manual, on the Control Unit, or on its accessories. Some of the symbols represent standards and compliances associated with its use.

SAFETY ALERT SYMBOL
Indicates caution or warning.

WARNING
Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

CAUTION
Failure to obey a safety warning may result in property damage or personal injury to yourself or others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

ELECTRICAL HAZARD
Indicates risk of electric shock.

IMPORTANT INFORMATION

CAUTION: Certain medical conditions and treatments are contraindicated for use of the STAGE IV MILLENNIUM 3. Always consult with the patient's physician before placing a patient on an Alternating Pressure system.

CAUTION: Bed frames used with the STAGE IV MILLENNIUM 3 can vary greatly depending on the specific health care setting, e.g. hospitals, nursing homes, home care, etc. Therefore, it is the responsibility of the caregiver to take the necessary precautions to ensure the safety of the patient. This includes, but is not limited to, the appropriate use of side rails to prevent falls and/or patient entrapment.

OPERATING INSTRUCTIONS

WARNING: Do not attempt to operate this product until you have read and understood the safety rules contained in this manual. Failure to comply can result in accidents involving fire, electric shock or serious personal injury. Save owner's manual and review frequently for continual safe operation and for instructing others who may use this product.

1.0 Safety Precautions (continued)

Electronic Controller

WARNING: This device is not suitable for use in the presence of a flammable anaesthetic mixture with air, or in the presence of a flammable anaesthetic mixture with oxygen or nitrous oxide.

Only plug into a grounded power receptacle and use the power cord supplied with the STAGE IV MILLENNIUM 3.

Exposure of the electronic controller to any liquid while it is plugged in could result in a severe electrical hazard.

CAUTION: Only use fuses that have the same specified rating (See Section 7.0 Product Specifications). Using fuses with higher ratings could result in damage and/or injury.

WARNING: The 240 VAC, 50 Hz models of the STAGE IV MILLENNIUM 3 incorporates fusing only in the ungrounded phase conductor. They must be used in health facilities on grounded systems where conditions of maintenance and supervision ensure that only qualified persons will service the electrical distribution system.

The electronic controller is a precision electronic product. Use care when handling or transporting. Dropping, or other sudden impacts, may result in damage to the controller.

WARNING: Risk of electric shock. **DO NOT OPEN**. Do not attempt to repair or service the electronic controller.

Repairs and service should only be done by a SenTech Medical Systems nominated Service Centre. If the controller is not functioning properly, or has been damaged, unplug the unit and take it out of service immediately. Contact Novis Healthcare on 1300 738 885 for repair and service information.

Do not return a product for any reason without first contacting Customer Service to obtain return authorisation (See Section 9.0).

CAUTION: Do not place any objects/items, such as blankets, on, or over, the electronic controller. Excessive weight on the controller could result in damage to the electronic controller.

After exposure to extreme high or low temperatures, allow electronic controller to equilibrate to room temperature before operating.

WARNING: The controller circulates room air during operation. Exposure to smoke may cause the system to fail. Therefore, smoking by patients or visitors while using the STAGE IV MILLENNIUM 3 is strongly discouraged.

WARNING: The power cord to the electronic controller should be positioned to avoid a tripping hazard and/or damage to the cord. SenTech Medical Systems recommends placing the cord under the bed frame and attaching it to an electrical outlet by the head of the bed.

NOTE: No special skills, training or knowledge are required to operate the control unit.

2.0 Product Overview

The STAGE IV MILLENNIUM 3 is microprocessor controlled therapeutic mattress systems that provide 3-zone Alternating Pressure and Low Air Loss (LAL) therapies for the treatment and/or prevention of pressure wounds. These therapies can be combined or operated independently from each other. The STAGE IV MILLENNIUM 3 is designed to accommodate patient weights up to 230kg (500lb).

The Alternating Pressure feature provides pressure relief by deflating and inflating every other air cell on a timed interval. It is widely recognized that constant pressure to a bony prominence is a leading cause of skin breakdown. The STAGE IV MILLENNIUM 3 provides continuous movement of air cells that alleviates constant pressure and enhances circulation. The deflated air cells provide pressure relief, while the inflated air cells support the patient's weight.

A visible and audible alarm function has a number of indications depending on the cause of failure.

The electronic controllers provide a "real-time" display of air pressure for both the inflated and deflated air cells. The amount of pressure to support a patient can be set automatically based on the patient's height and weight or can be manually set for custom configurations. All settings are stored in non-volatile memory. If power is interrupted, the electronic controller automatically returns to the previous settings when the power returns.

The Controlled Low Air Loss (LAL) feature on the STAGE IV MILLENNIUM 3 provides an optimum environment to assist in patient healing and comfort. LAL therapy is delivered through a patented SenTech Coverlet that provides a flow of diffused air directly to the patients skin through thousands of microscopic micro-vents. In addition, the mattress has been designed to provide an anti-shear/anti-friction surface for patients.

The system includes a rapid release CPR handle for emergency deflation.

3.0 Installation

NOTE: It is recommended that all shipping and packing material be saved in the event that the product has to be sent back to a SenTech Medical Service Centre.

3.1 Unpacking and Inspection

Carefully remove the controller, mattress and all accessories from the shipping cartons. Inspect all items for any damage that may have occurred during shipping. Any damage, or missing components should be reported to a SenTech Medical Service Centre as soon as possible.

Mattress Replacement: The box contains a completely assembled mattress replacement system.

This system consists of:

- 5 cm/2 inch Foam Mattress
- Air Cell Assembly with CPR pull handle
- Top Coverlet with Low Air Loss Hose
- CPR Hose Assembly

Electronic Controller: The electronic controller is in a separate box containing:

- Electronic controller
- Power cord
- Operating Instructions
- Quick Setup Guide

The mattress is treated as an applied part.

3.2 Installation

The STAGE IV MILLENNIUM 3 is designed to operate in a controlled environment, which is free from extreme temperatures, high humidity and/or excessive amounts of airborne particulates, such as dust and smoke.

3.2.1 Mattress Replacement

1. Unroll the mattress replacement.
2. Remove the current mattress from the bed frame and replace with a STAGE IV MILLENNIUM 3 Mattress assembly.
3. Position mattress and hoses so that the:
   - CPR hose assembly is to the left of the footboard
   - Low Air Loss (LAL) hose is to the right of the footboard
4. Ensure CPR latch is completely down in the CLOSED position (See 4.3 for Setup and operation)
5. There are two (2) sets of straps with D-rings on each side of the mattress and one (1) at the head of mattress. Use these straps to secure the mattress replacement to the bed frame.

IMPORTANT: Make sure that the attachment of the mattress does not interfere with the bed movement or operation.

3.0 **Installation** (continued)

3.2.2 Electronic Controller

1. Hang the controller on the outside edge of the footboard on the bed frame.

   CAUTION: Placing the electronic controller in the patients bed (in contact with the patient, or under and coverings, eg. sheets) could result in serious injury and/or affect the systems performance.

2. Attach the six (6) colour-coded hoses to the corresponding colour-coded connectors on the left side of the controller i.e. red to red, green to green, etc. (See Diagram 1 on right).

3. Attach the LAL hose to the single connector on the right side of the controller. (See Diagram 2 on right).

4. Plug into a grounded 240 Vac 50 Hz electrical outlet.

Diagram 1

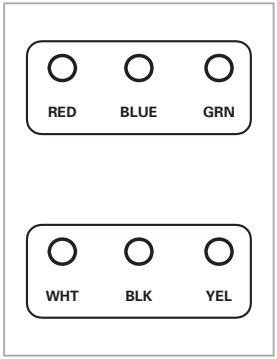
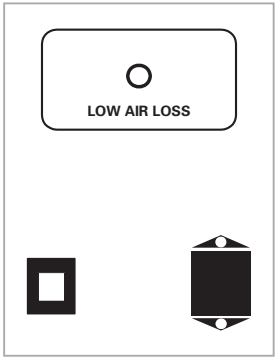


Diagram 2

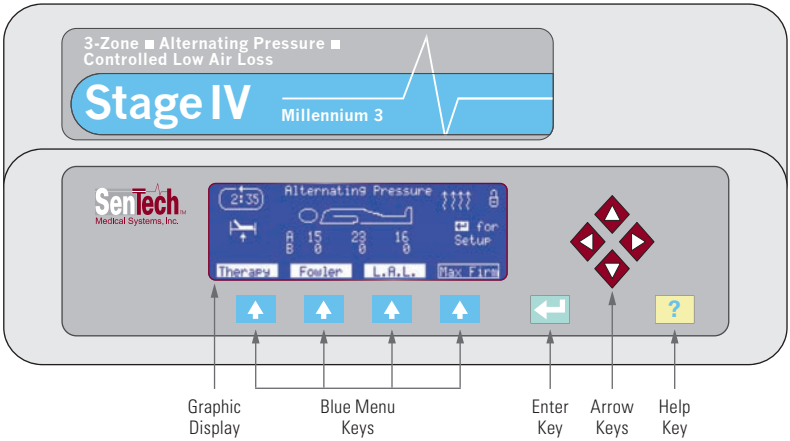


4.0 Operation

4.1 Key Functions and Settings

Control Panel: The STAGE IV MILLENNIUM 3 control panel is shown in Diagram 3 below.

Diagram 3



Keys:

ENTER KEY (Green)		Takes you into and out of the SET UP screen.
HELP KEY (Yellow)		Accesses HELP screens.
ARROW KEYS (Maroon)		Tabs through the SET UP menu.
MENU KEYS (Blue)		Selects MENU options.
POWER SWITCH		This switch is located next to the electrical cord on the bottom right side of the unit. It is used to control the AC power to the unit.

4.2 Basic Features

ALTERNATING PRESSURE	Provides pressure relief therapy by inflating and deflating alternate air cells.
FLOAT	Provides a low pressure static surface.
LOW AIR LOSS (L.A.L.)	Provides a gentle flow of air directly to patient's skin.
MAX FIRM	Provides a firm surface for patient transfer and medical treatment.
LOCK	Prevents inadvertent changes to the control panel.
FOWLER BOOST	Increases pressure in the Trunk zone for patients in an inclined position.
DEFLATE	Automatically deflates the mattress.

4.2.1 Main Run Screen

The Main Run Screen has four (4) menu options. Press the blue MENU keys to select the desired option. Selected options are highlighted when selected.

Diagram 4 Main Screen

During normal operation, the following words appear above the four Menu Keys. Pressing a key results in the corresponding action.

THERAPY	Pressing this key toggles the system between Alternating Pressure and Flotation therapy modes.
FOWLER	Toggles the Fowler Boost on and off.
L.A.L.	Toggles Low Air Loss (LAL) on or off.

4.2.1.1 Therapy

1. Press this blue MENU key to select either Alternating Pressure (AP) or FLOAT modes.

2. This key remains "highlighted".

3. The table below shows the function of each therapy.

Float Mode	AP Mode
All air cells in each zone (Head, Trunk & Foot) are inflated to the selected pressure.	Alternate air cells in each zone are inflated to the selected pressure.
All air cells remain at the selected pressure.	On a timed cycle, alternate air cells sequentially inflate and deflate.
Pressure of all air cells in each zone is displayed on the screen.	Air pressure in the deflated and inflated air cells in each zone are displayed on the screen. Time remaining in the cycle is also displayed on the screen.

4.2.1.2 Fowler Boost

This feature allows the user to increase the pressure in the trunk zone for patients who are in an inclined, or Fowler position. Fowler Boost is designed to prevent patients from "bottoming out" when the weight is concentrated in the trunk area while in the inclined position.

1. Pressing the blue MENU key underneath "FOWLER BOOST" increases the pressure in the trunk zone.
2. To adjust the percentage of Fowler Boost, see Advanced SETUP, Section 4.2.2.1.

4.2.1.3 Low Air Loss (LAL)

Provides a gentle flow of air through the coverlet.

1. Pressing the blue MENU key underneath "LAL" turns the LAL on and off.
2. When LAL is on, the LAL on the screen is highlighted and the animated LAL icon is displayed.

NOTE: Air for LAL is delivered when the air cells are not being inflated.

4.2.1.4 Max Firm

Provides a flat stable surface for patient transfer and medical treatment.

1. Select MAX FIRM by pressing the blue MENU key underneath the words "MAX FIRM".
2. When the transfer/treatment is complete, return to desired mode of therapy by pressing appropriate MENU key. If system remains in MAX FIRM for more than 20 minutes it will revert to normal operation.

4.2.1.5 Standard Setup

Diagram 5 Standard Setup Screen

1. Press the green ENTER key to access SETUP screen. Setup instructions can be accessed by pressing the HELP key ?.
2. Set patient height using the INCREASE and DECREASE keys.
3. Use the maroon ARROW keys to move cursor to weight.
4. Enter the patient's weight using the INCREASE and DECREASE keys.
5. Press AUTOSET key.

4.2.1.6 Custom Setup

1. Use the maroon ARROW keys to move the cursor to the desired zone (head, trunk or foot).
2. Adjust pressure using the INCREASE and DECREASE keys.

NOTE: Do not press AUTOSET. Pressing AUTOSET will cause the system to revert to default pressures based on height and weight.

4.2.2 Alternate Menu Options

Diagram 6 Alternate Menu Screen

To access Alternate Menu Options, press and hold the ENTER key. While holding select one of the following options:

ADVANCED	Accesses Advanced SETUP screen.
DEFLATE	Deflates mattress automatically.
LOCK	Locks and unlocks the control panel.

Press ENTER key after selection to return to normal operation.

4.2.2.1 Advanced Setup

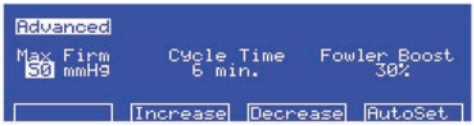
Advance setup allows adjustment of the following system parameters:

Parameter	Range Values	Default Values
MAX FIRM	32-60 mmHg	40 mmHg
Cycle Time	4-9 minutes	5 minutes
Fowler Boost	15-40%	20%

CAUTION: Only advanced users with proper training should use the Advanced Setup feature. Pressing the AUTOSET will reset the system to the default settings.

1. Use the maroon ARROW keys to move the cursor to the parameter to be changed.
2. Adjust the setting using the INCREASE and DECREASE keys.

Diagram 7 Advanced Setup Screen



INCREASE Increases the highlighted parameter.

DECREASE Decreases the highlighted parameter.

AUTOSET Loads default settings.

4.2.2.2 Deflate Function

Detach the LAL hose from the right side of the controller.

Air will be evacuated from the mattress in 15 minutes. After the specified time, the pump will shut off.

4.2.2.3 Lock

The lock feature prevents inadvertent modification of system settings.

When LOCK is set, all keys are disabled except for the HELP key and the key to turn the lock feature off.

1. Press and hold the ENTER key.
2. When the menu changes while still holding ENTER key, press the blue MENU key underneath the word "LOCK" to lock and unlock the system setting.
3. The lock icon on the display panel indicates the lock status. If open, the system is unlocked. If closed the system is locked.

NOTE: The system always powers-up with the system unlocked.

4.2.3 Help

Provides user assistance and system information:

Diagram 8 Help Screen

1. To access the help feature, press the yellow HELP key.
2. There are three (3) options on the HELP screen:

PATIENT SETUP	Guide for system setup, including setting patient height and weight.
HELP TOPICS	General guide for system operation. Use maroon ARROW keys to tab through the help screens and green ENTER key to exit HELP:
Therapy	General description of therapy options.
Basics	General setup instructions and a description of special modes/features.
Advanced	Explains the Low Air Loss (LAL) and LOCK features.
Other	Description of lock feature, system alarms and "replace filter" notification.
SYSTEM INFO	Displays hours of system operation since the date of manufacture and the software revision.

4.2.4 Alarm

Alarm will activate with an audio-visual indicator when air mattress does **not** reach required pressure within 20 minutes.

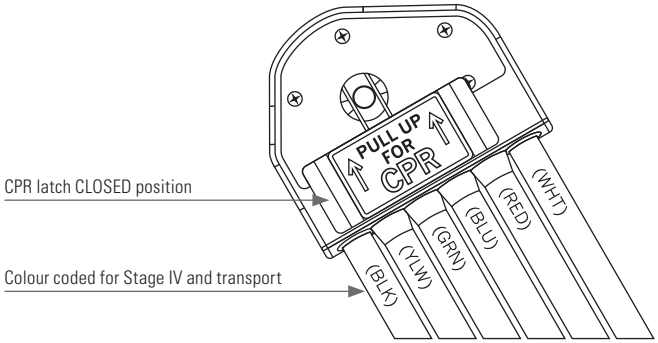
Diagram 9 Alarm Screen

4.3 CPR Operation

4.3.1

The Low Profile CPR provides caregivers the ability to rapidly evacuate air from the support surface in emergency situations. The CPR is located at the foot of the mattress on the patient's right side and is permanently attached to the mattress. The Low Profile CPR is shown in Diagram 10 below.

Diagram 10 – Closed Position



CAUTION: Loose hoses can be a tripping hazard. Use caution when transporting the mattress.

DO NOT immerse the CPR in any liquids.

Avoid exposure to high heat and/or solvents.

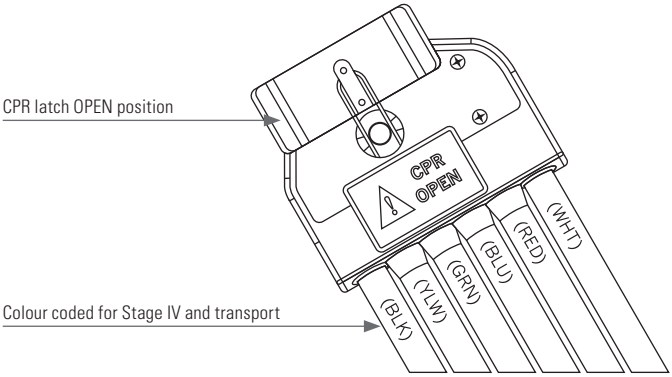
Protect hoses from sharp or pointed objects that could cut, puncture or tear the material.

DO NOT attempt to repair the CPR. If damaged or not working properly, call SenTech Medical Service Centre on 1300 738 885 for service information.

4.3.2 Setup & Operation

1. Before operating the system, make sure that the CPR Latch is completely down in the CLOSED position (See Diagram 10 on previous page).
2. To activate the CPR and rapidly evacuate the air from the mattress, pull the CPR Latch completely up to the OPEN position (See Diagram 11 below). Rate of evacuation is dependent on the weight of the patient.
3. To resume normal operation of the mattress, push the CPR Latch completely down to the CLOSED position.

Diagram 11 – Open Position



4.3.3 CPR Trouble Shooting Guide

Problem	Cause	Solution
CPR Leaks.	CPR Latch is not completely down in the CLOSED position.	Make sure the CPR Latch is completely down in the CLOSED position.
	Material between the CPR block and the socket is preventing a proper seal.	Make sure that nothing is between the CPR block and the mattress shell that is preventing full closure of the CPR, e.g. sheet/blanket.
	Belleville washers are not properly aligned.	Open CPR latch, loosen screw, align washers onto brass shaft, and retighten screw so that head of screw contacts brass shaft. Close CPR latch.
	Screw on brass shaft is not tight.	Open CPR latch and retighten screw. Close CPR latch.
	O-ring(s) are missing/damaged.	Contact a SenTech Medical Service Centre on 1300 738 885.
CPR loose when latch is in the CLOSED position.	Screw on brass shaft is not tight.	Tighten screw.
	CPR components are missing or improperly installed.	Refer to Section 4.3.4.

4.3.4 CPR Removal/Installation

The CPR is permanently attached to the mattress and should not need to be removed. However, if necessary, it can be removed and reinstalled by following the directions below:

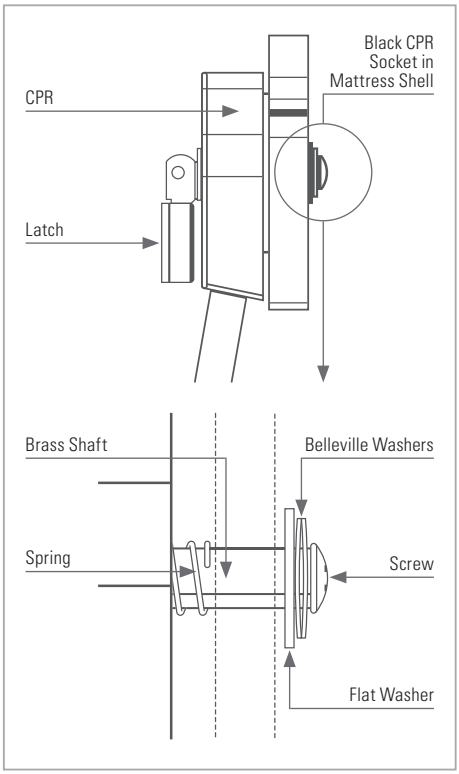
Installation

1. Place Spring on the brass shaft of the CPR.
2. Slide brass shaft through the hole in the CPR socket.
3. With latch in open position, align two holes in CPR block with two screws (with spacers) on CPR socket.
4. Squeeze CPR block and socket together and place the flat washer onto the brass shaft.
5. Place the two (2) Belleville washers onto the brass shaft, as noted.

IMPORTANT: Make sure the two (2) Belleville washers are oriented so that when they are together they form a "pocket".

6. Thread the screw into the end of the brass shaft. Tighten ensuring that the washers are centred on the brass shaft and head of screw contacts brass shaft.

Diagram 12 – Installation



Removal

1. Remove screw in the end of the brass shaft.
2. Remove two (2) Belleville washers.
3. Remove flat washer.
4. Slide CPR assembly out of the CPR socket.
5. Remove the spring.

5.0 Maintenance and Cleaning

IMPORTANT: All disinfection should be done with a "hospital-grade" disinfectant in accordance with the manufacturer's specified instructions. Check manufacturer's instructions before use.

5.1 Electrical Controller

The electronic controller is easy to maintain:

5.1.1 Fuse Replacement:

CAUTION: Only use fuses that have the same rating as specified (See Section 7.0). Using fuses with higher ratings could result in damage and/or injury.

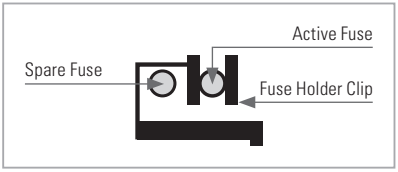
One (1) replacement fuse is provided with your controller and is located in the compartment on the electrical cord socket. To replace a fuse:

1. Ensure the power switch is in the OFF position.

WARNING: Ensure the Electrical Controller is disconnected from mains electricity.

2. Remove the power cord from the electrical socket on the side of the controller.
3. Using a small sized flat-head screwdriver, pry the fuse holder away from the socket and slide it out of the socket.
4. Remove the "blown" fuse from the fuse holder clip and discard.
5. Remove the spare fuse from the storage compartment and install it into the fuse holder clip (See Diagram Below):

Diagram 13 – Fuse Holder (Top View)



6. Push the fuse holder completely back into the electrical socket until it "snaps" into place.

   NOTE: The fuse holder must be properly oriented to slide in correctly. Do not force!

7. Replace power cord and turn on the controller.

5.1.2 Filter Maintenance

The microprocessor in the controller is programmed to notify you to clean the filters after ~ 800 hours of use (See the Filter Maintenance screen below).

Diagram 8 Filter Maintenance Screen

It is very important that you clean the filter when notified. To clean the filter:

1. Unplug the electronic controller.

WARNING: Ensure the Electrical Controller is disconnected from mains electricity.

2. On the bottom of the unit, there are two (2) filter housings:
   - White – Air Intake Filter
   - Black – Cooling Fan Filter
3. Remove the filter grill covers and remove the filters. DO NOT unscrew the filter assembly.
4. Clean the filters by washing in a mild detergent and allow to air dry.
5. Insert the filters into the filter housing and replace the grill covers.
6. If the filters cannot be cleaned, or become damaged, contact SenTech Medical Service Centre for replacement filters.

IMPORTANT: Good filter maintenance is critical in keeping your STAGE IV MILLENNIUM 3 controller in optimal operating condition. Failure to keep the filters clean will result in system downtime and increased repair costs.

5.1.3

The exterior of the controller and CPR assembly should be periodically wiped down with a cloth dampened with disinfectant.

CAUTION: DO NOT spray disinfectant directly on the electrical controller, or immerse the controller in any type of liquid. This could result in a severe electrical hazard as this equipment has no protection against ingress of water.

5.1.4 Cleaning and Electricity

IMPORTANT: Before plugging in the controller, check the power cord for electrical hazards, e.g. cuts, exposed wires, worn insulation, etc. If hazards are present, take the controller out of operation immediately and call SenTech Medical Service Centre on 1300 738 885.

5.1.5 Calibration

To ensure optimal performance of your STAGE IV MILLENNIUM 3 system, calibration should be verified every 12 months. Call SenTech Medical Service Centre on 1300 738 885 for calibration information.

5.2 Coverlet

5.2.1 Washing and Disinfecting

If there are visible signs of body fluids and/or substances present, coverlets should be washed between patients. Coverlets can be machine-washed using an intermediate level disinfectant. Disinfectant should be used according to the manufacturer's instructions. To determine the amount of disinfectant to use, determine the amount of water in the washer and then follow the manufacturer's instructions. Soak the coverlet in the disinfectant during the wash cycle. Rinse thoroughly in clean water and dry before use.

CAUTION: DO NOT dry the coverlet using the "heat" cycle. Air-dry, or select a low or "non-heat" dry cycle, e.g. air fluff.

5.2.2 Washing Alternative

If there are **no** visible signs of body fluids and/or substances present, the coverlet can be sanitised between patients. To sanitise the coverlet:

1. Apply an intermediate level disinfectant to the upper surface of the coverlet. Disinfectant may be applied either by spraying or by hand application.
2. Ensure surface is completely covered with the disinfectant.
3. Allow disinfectant to remain in contact with the surface according to the manufacturer's instructions.
4. Remove disinfectant and rinse.
5. Allow to air dry before use.

IMPORTANT: It is recommended the system is cleaned between patients and approximately every two weeks if in constant use.

5.3 Outside Shell

Wipe down shell using an approved disinfectant, ensuring that all surfaces come in contact with the disinfectant. Rinse off with clean damp cloth and allow to air dry.

5.4 Air Cell Assembly

CAUTION: DO NOT machine wash or dry the air cells. The air cell assembly does not routinely need to be cleaned or disinfected between patients.

IMPORTANT: DO NOT disassemble the STAGE IV MILLENNIUM 3 mattress, unless cleaning/disinfection is required.

If cleaning/disinfection is required, disassemble the mattress using the colour-coded zippers.

IMPORTANT: DO NOT disconnect the hoses from the air cells.

5.5 Foam Mattress

The foam mattress is fully enclosed in a nylon-urethane cover and should not require cleaning. However, if it does become “visibly” soiled, it may be wiped down with disinfectant, ensuring that all surfaces come in contact with the disinfectant. Wipe off with a clean damp cloth and allow to air dry.

5.6 CPR Assembly

The exterior of the CPR Assembly can be periodically wiped using a cloth dampened with disinfectant.

6.0 Trouble Shooting Guide

Problem	Cause	Solution
Alarm is on.	The alarm is activated if the air cells do not reach programmed pressure. Check the CPR connections (See Section 4.3)	Be sure all hoses are properly connected to the controller. Check all hoses along the inside of the mattress. Each hose should be tightly connected. Check each air cell to ensure there are no leaks. (It will be easier to detect a possible leak if you place the system in the MAX FIRM mode). Once the leak has been resolved, the alarm light will automatically turn off after three cycles. To reset the system more quickly, turn the power off and then on again to reset.
Patient is sinking or "bottoming out" while lying flat.	The pressures may be set too low for the patient's weight.	Increase bed pressure. An increase of 3-5 mmHg is usually sufficient. However, wait at least one (1) full cycle before determining if the pressure increase was sufficient.
The pressure setting was increased, but the pressure does not appear changed.	The AUTOSET key may have been pressed by mistake which would "overwrite" all customized settings.	Re-enter pressures needed. DO NOT press AUTO SET.
Air is not constantly flowing into the Low Air Loss Coverlet.	The internal pump gives priority to the air cells in the mattress. Once the air cells are inflated to the selected pressure, air will then be directed to the coverlet.	Allow air cells to reach pressure.
Display readings appear scrambled.	Power surges can cause the controller to temporarily malfunction.	Turn controller power off for 5 seconds, then on again to reset.
Controller is inoperable.	May be caused by a power surge substantial enough to overload the internal circuitry. May be caused by internal damage.	Check fuse on power cord socket by opening the fuse compartment. **NOTE: If you need to replace the fuse, there is a spare 1A fuse in the fuse compartment.** Call Novis Healthcare on 1300 738 885.
CPR hoses become disconnected from exterior block.	Excessive force applied to hose connections.	See Section 4.3.

7.0 Product Specifications

Electronic Controller

Physical Dimensions

Height	30.7cm (12.1 inches)
Width	36.8cm (14.5 inches)
Depth	15.2cm (6.0 inches)
Weight	9.5kg (21lb)

Electrical Parameters

US and Canada:	UL2601 Classification	Class I Type B 
	Power Requirements	120VAC, 60Hz
	Fuse	3.15A, 250V, Fast Acting (UL-Approved)
	Maximum Current	< 1.0A
	Ground	Protective Earth 
Europe & Australia:	Power Requirements	220-240V AC 50/60Hz
	Fuse	1A, 250V, Fast Acting
	Maximum Current	< 0.5A

Operating Parameters

Weight Range	36-230kg (80-500lb)
Height Range	127-198cm (50-78 inches)

Environmental Conditions

Operating	Ambient Temperature	+10 to +40 °c
	Relative Humiditys	30 to 75 %
	Atmospheric Pressure	700 to 1060 hPa
Storage/Shipping	Ambient Temperature	-20 to +70 °c
	Relative Humidity	10 to 100 %
	Atmospheric Pressure	500 to 1060 hPa
Altitude		≤ 2000m

Mattress Replacement (Fully-Inflated)

Physical Dimensions

Height	20.3cm (8 inches)
Width	91.4cm (36 inches)
Length	203.2cm (80 inches)
Weight	10.8-20.5kg (24-45lb)

8.0 Warranty Information

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably forseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Limited Warranty

SenTech Medical Systems, Inc. ("SenTech") warrants each of its products to perform in accordance with established specifications for the following time periods, starting from date the product was shipped from Novis Healthcare P/L.

STAGE IV MILLENNIUM 3

Compressor Pump	3 Years
Electronic Controller	2 Years
Soft Goods	1 Year

During the warranty period, SenTech through it's distributors will repair or replace at no charge any products that are not performing in accordance with established specifications, unless the problem/failure is due to:

1. customer damage, negligence and/or misuse

or

2. unauthorized repairs. Items not covered under warranty include, but are not limited to: stains, punctures, cuts, damages to electrical cords, rips or tears, dents and/or lost/ missing parts.

All products returned for warranty repairs **must be assigned a return authorisation number**, prior to return. Returns should include information describing the problem and/or requested repair and be sent to a SenTech service centre by prepaid transportation. Novis Healthcare will return the repaired/replaced product at no charge. Warranty repairs do not extend the length of the warranty period.

Neither SenTech, its distributors, officers, directors, employees or agents shall be liable for consequential or other damages, including but not limited to personal injury, loss, or any other expense, directly or indirectly arising from the use of its products. The sole remedy for breach of the limited warranty granted herein shall be repair or replacement of the SenTech products.

All product specifications are subject to change without notice.

9.0 Product Return Procedure

The STAGE IV MILLENNIUM 3 SYSTEM has been designed to provide you with years of trouble-free service. However, in the event that the product needs to be returned for any reason, such as calibration or repair, the following return procedure must be followed. Failure to follow this procedure may result in unnecessary delays.

Return Procedure

Before returning a product to a SenTech Medical Service Centre:

1. Contact the medical equipment distributor from where the product was purchased. Alternatively, contact Novis Healthcare to obtain a "Return Authorisation Number" (RAN) and "Return Goods Form" (RGF).
2. Package the product in its "approved" packaging.
3. Reference RAN on the packaging and delivery documents.
4. Ship product to the attention of Novis Healthcare (address details on back cover).

Notes

SenTech™
Medical Systems, Inc.

Serviced and distributed by

novis
HEALTHCARE

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