

SOFTCAIRE DELUX BARIATRIC

WEIGHT CAPACITY: 660 LBS



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IMPORTANT SAFEGUARDS

When using the SoftCaire Delux Bariatric, safety precautions should always be followed. Extra care should be taken when children are present.

READ ALL INSTRUCTIONS BEFORE USE

Danger

To reduce the risk of electrocution:

- ▶ Always unplug immediately after use.
- ▶ Do not use while bathing.
- ▶ Do not place or store product where it can fall or be pulled into a tub or sink.
- ▶ Do not place in water or other liquids.
- ▶ Do not reach for product that has fallen into water. Unplug immediately.

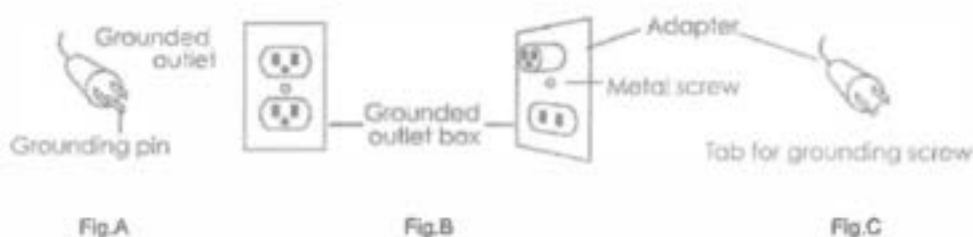
Warning

To reduce the risk of burns, electrocution, fire, or injury:

- ▶ Never leave product unattended when plugged in.
- ▶ Close supervision is necessary when this product is used by, on, or near children or people with limited physical or mental abilities.
- ▶ Use this product only for its intended use as described in this manual.
- ▶ Do not use unauthorized attachments not recommended by the manufacturer.
- ▶ Do not with a damaged cord or plug, if it is not working properly, if it has been dropped or damaged or dropped into water. Return the product to an authorized service center.
- ▶ Keep the cord away from heated surfaces.
- ▶ Do not block the air openings of the product or place it on a soft surface, such as a bed or couch, where the air openings may be blocked. Keep the air openings free of lint, hair, and dust.
- ▶ Do not drop or insert any object into any opening or hose.
- ▶ Do not use outdoors or operate where aerosol (spray) products are being used.
- ▶ Connect this product to a properly grounded outlet only.

GROUNDING

Before any connection is made, ensure that this product will be connected to a protective grounded 3 prong outlet; the three-blade plug shall be inserted only into a properly grounded 3 prong outlet. See diagram below.



STATEMENTS

Note

Indicates some tips or some information users should be aware of.

Caution

Indicate correct operating or maintenance procedure to prevent damage to or destruction of the equipment or other property.

WARNING/DANGER

Call attention to a potential danger that requires correct procedures or practices in order to prevent personal injury.

INTRODUCTION

General

The SoftCaire Delux Bariatric system is specially designed to provide both comfort and therapy for people who suffer from overweight and medically obese. Patients at high risks of pressure ulcer are recommended to use SoftCaire Delux Bariatric system. This system is made with the highest quality material, which is durable and reliable for acute care, hospital, including ICU environment, nursing home and home care.

The SoftCaire Delux Bariatric system has been tested and certified for the following standards:

- ❖ CE
- ❖ UL

Intended Use

The SoftCaire Delux Bariatric system is intended to reduce the incidence of pressure ulcers while optimizing patient comfort. It also provides the following:

- ▶ Individual customized setting capability.
- ▶ Pain management as prescribed by a physician.

Contraindication

Patient conditions for which the application of pressure relieving therapy on an alternation system is contraindicated are as follows:

- ▶ Cervical or skeletal traction.
- ▶ Unstable spinal cord injuries.

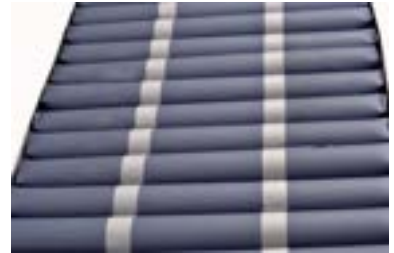
PACKAGE CONTENTS

Check inside your package. If any of the following are missing or damaged, do not
Please contact your local authorized dealer.

Pump Unit



Mattress



Optional Cover Sheet

The cover sheet makes cleaning an easy task.



PRODUCT FUNCTION

Pump Unit



Power Switch (1)

- The switch is at the right side of the pump.
- Switch on the unit (from the right) and press Power button on the panel, the pump will start/stop operation.



Set Cycle Length (2)

- The cycle length can be selected from the panel.
- The cycle length options are: 10, 15, 20, or 25 minutes.



Adjust Pressure Range (3)

- 20mmHg - 65mmHg



Mute Alarm (4)

- The audible/visible alarm turns on when low pressure, power failure or alternate failure.
- To mute the alarm, press Alarm Mute button. The light indicator will flash until issue is resolved.
- Press the Alarm Mute button to reactivate the alarm.



Alternate Mode (5)

- Press to set the air mattress in alternate therapy mode.



Static Mode (6)

- Press to set the air mattress in static therapy mode. The function will revert to alternating mode after 20 mins.



Max Firm (7)

- Press to set the air mattress in quick inflation mode, which facilitates nursing and caring.



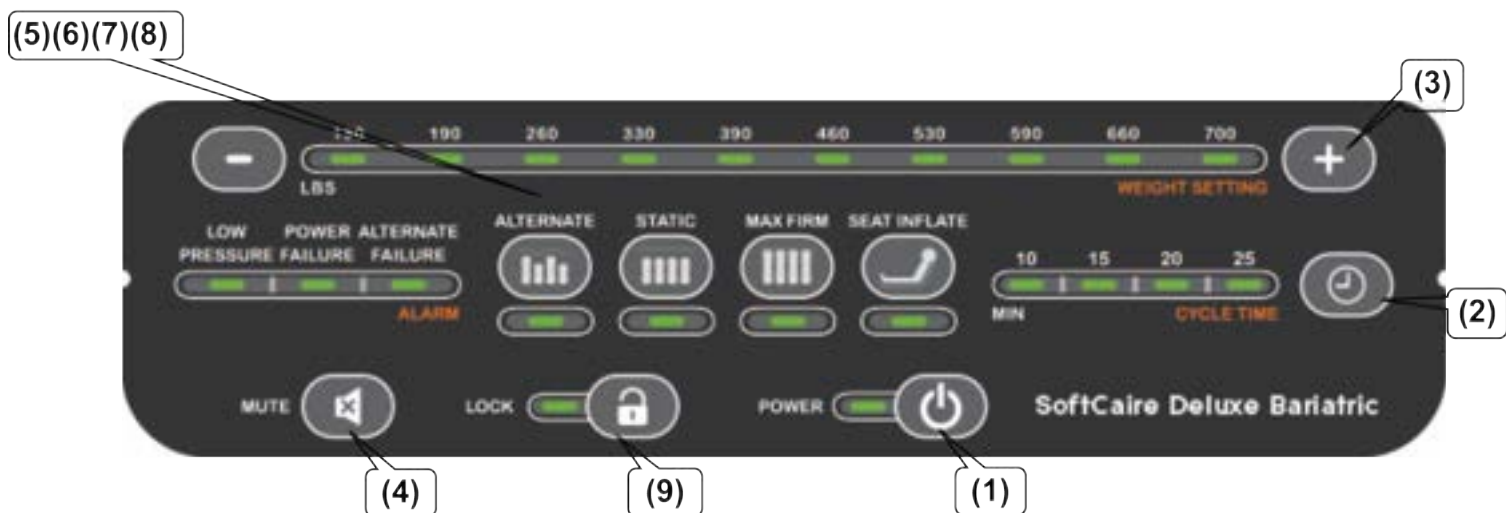
Seat Inflate (8)

- Press to set the air mattress in seat inflate + alternate or seat inflate + static mode, pressure value will increase by 5mmHg, which facilitates seating.
- Under max firm mode, keep the max pressure of 65mmHg, no more 5mmHg increased.



Lock button (9)

- Auto: Locks after 5 minutes without operation.
- Manual: Press and hold lock button for 3 seconds to lock the panel. Press and hold for 3 seconds to unlock.



Features:

Quick Connector with Cap

- Ensures Mattress remains inflated during power outage or patient transport

CPR function

- Allows rapid deflation in case of medical emergencies.
- Designed for one handed operation
- Positioned at head end

Pillow Function

- Head zone comprised of three fully inflated static air cells to provide patient comfort.

Square Cell-on-Cell Bladder

- Unique two-layer cell structure provides both alternation therapy and constant support in case of power-outage or transportation

Spring-loaded Tube

- Springs are emplaced within air tubes to prevent unnecessary bending of tubes and ensure consistent airflow.

SYSTEM INSTALLATION

First time set up instructions:

- a) Remove covers, sheets, and mattress from the bed.



- b) On a standard bed, position Mattress on top of bed, printed top cover facing upwards and air hoses towards the base of the bed. Attach to the bed by securing the adjustable straps under each end of your bed. Ensure buckles are securely fastened and straps are pulled tight.



- c) On a profiling bed, secure the side straps around the moveable sections of the bed base. **DO NOT SECURE TO THE SIDE RAILS - STRAPS WILL RIP OFF.**

- d) Confirm there are no sharp objects in the immediate area which may cause damage to the Mattress.



Important: Check that the attachment of the Mattress does not interfere with the movement or operation of the bed.

Pump Unit Activation

a) Position Control Unit by hanging hooks over foot board of the bed or place unit on the floor under the bed.



b) Attach the air hoses using the quick connector to the Control Unit. Ensure air hoses do not kink between mattress, bed frame and Pump Unit.



c) Plug the power cord into an electrical outlet with grounded AC power.

NOTE: Before inserting the plug into the outlet, ensure the voltage is compatible and the receptacle is grounded.



d) Switch the power button on. Allow up to 40 minutes for full inflation.



e) When inflated fully, the low-pressure light will go off. Carefully, lay user on bed and select the appropriate comfort level.

Perform a “bottom out” test to ensure that user is properly suspended. Slide your hand under the top cover along a deflated cell in the sacral (bottom) area. Secure sheets loosely enough to ensure they do not interfere with cell alternation.

OPERATION

Please read and understand the instructions before use.

Warning:

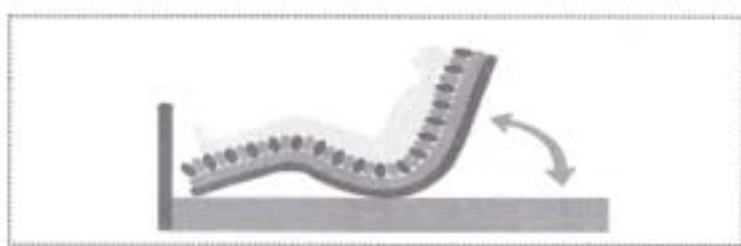
Only use the Rhythm Healthcare pump with the Mattress System. It is dangerous to use a pump with pressure capacity greater than 120 mmHg. Using another pump with the Mattress System will void the warranty.

DO NOT replace or repair any component. This will void the Warranty. Please contact your authorized dealer.

For Patients:

When the pressure has reached desired firmness the patient can lie on mattress.

A firm surface will make it easier for the patient to transfer or reposition. Make use of the static mode function for this feature. To sit a patient up in bed, press the Seat Button to increase the pressure to have better support on sacrum area.



Hand Check Procedure:

Check if suitable pressure is selected by sliding one hand between mattress and patient's sacral region. Optimal clearance is approximately 1" to 1-1/2" (25 to 40 mm).

NOTE: Please follow instructions below for detailed operating procedure of each type.

1. Power On. An audible beep will begin the operation.

2. The pump will enter static mode.

The mattress will inflate to 10-15mmHg, then the unit will enter alternate mode.

If 10-15mmHg isn't reached within 30 minutes, the unit will stay in static mode and keep inflating. If 10-15mmHg isn't reached within 40 minutes, the alarm will beep, and indicator light will come on.

Press Alarm Mute to mute alarm. The alarm indicator light will flash.

Press Alarm Mute again to enable audible alarm.

3. The alternating cycle time and pressure level are set at 10 minutes and 30mmHg initially. Select from touch panel to adjust cycle time and pressure level to the user's specific requirements.

NOTE:

Press the static mode button on panel. This will provide a firm surface for easier transfer or reposition of user. The static mode can support the patient by keeping the mattress from bottoming out when the patient is in a sitting position. The static mode will revert to alternating mode after 20 mins.

4. During normal operation, the unit will monitor pressure. If pressure is lower than the set pressure, the pump will automatically inflate the mattress to the set level, then stop. The alarm will beep, and the indicator light will illuminate to indicate a low-pressure condition.

Press Alarm Mute button to mute alarm. The alarm LED will continue flashing.

Press Alarm Mute button again to re-enable the audible alarm.

5. Press the Max Firm button to automatically inflate the mattress to the maximum level (65mmHg) for about 20 minutes. The pressure will return to a previously set level after 20 minutes.

If the tubing is not securely attached or there is any air leakage from the mattress, this will result in a low-pressure condition, and it will activate the alarm within 1 min.

NOTE:

For suitable pressure, please refer to page 8 for the Hand Check Procedure.

CPR Function

If you need to perform CPR on the user, pull the CPR strap at the head of the mattress to release the air quickly. The CPR straps are located on the front right-hand side of mattress.

Adjusting Pressure

Users can adjust the pressure level of the mattress to a desired firmness by themselves or according to the suggested firmness from their provider.

NOTE:

Press Max Firm on the panel when the mattress is first inflated. Users can then easily adjust the air mattress to a desired firmness according to the user's weight and comfort.

Low Pressure Warning

When abnormal pressure occurs, the Low-Pressure indicator light will come on. Check if the connections are secure and correctly installed according to the instructions.

If the pressure is consistently low, open the zipper and confirm that all hoses are properly connected. Check for any noticeable leakage in any of the tubes. If necessary, contact your authorized dealer to replace any damaged tubes and/or hoses.

CLEANING

It is recommended to clean the mattress system once a week.

Pump Unit

- ▶ Before cleaning, check for external damage. If no damage, move the pump to the cleaning area.
- ▶ DO NOT immerse or soak the pump in water or liquids.
- ▶ With a soft cloth, wipe the outside of the case with quaternary ammonium solution.
- ▶ DO NOT spray cleaning solution directly on the surface of the pump.
- ▶ DO NOT use a hypochlorite or phenolic based cleaning solution. These may damage to the case. Soak in solution for 10 minutes or according to the disinfectant instructions.
- ▶ Thoroughly wipe all sides of the case with a clean, soft cloth.
- ▶ Spray cloth with cleaning solution and clean faceplate. DO NOT allow excess cleaning solution on faceplate or control panel. If solution gets inside, damage will occur. Allow surface to thoroughly dry.
- ▶ After the pump is thoroughly cleaned and dried, plug in the pump to test that it runs normally.
- ▶ Unplug the pump and store with proper identification tag.
- ▶ Avoid long exposure to sunlight.

Mattress

- ▶ Brush or wipe down all surfaces with soap and water before applying any disinfectant.
- ▶ If there is any residual blood or bodily fluids, apply a bleach solution to the affected areas and allow it to dry for a minimum of 10 minutes. We recommend 1:9 (1 part bleach to 9 parts water).
- ▶ After pre-soaking, the cover should be rinsed in a regular wash cycle in a washer with no soap then laundered with mild detergent (rinse temperature 78°F/26°C or on the coldest setting, wash temperature 93°F/34°C).
- ▶ Dry covers at a temperature range of 90°F-120°F/32°C-49°C or on the coldest setting until fully dry.
- ▶ Unsnap the air cells from one side and spray on all sides with a disinfectant. Let it soak (according to the disinfectant directions) and wipe down with a clean cloth. Disconnect all air cells, one by one, and spray the disinfectant on all sides, including all the connecting tubes and hoses. Let it sit for least 10 minutes.
- ▶ If there is a base after you remove all the air cells, the base must be sprayed down with the disinfectant, inside and outside. Let it sit for the required soaking time (according to disinfectant directions) and wipe down with a cloth.
- ▶ Repeat the process with the tubing set: spray, soak, then wipe clean.
- ▶ The carrying bag should be turned inside out and thoroughly wiped down using the disinfectant solution. Allow it to thoroughly air dry. Once the inside is dry, turn it back: wipe down the outside of the bag with disinfectant.
- ▶ Dry the mattress on a flat surface area after cleaning. Do not dry in the sun.
- ▶ Avoid long exposure to sunlight.

HANDLING AND STORAGE

- ▶ Spread mattress out flat and place upside down.
- ▶ Roll from the foot end towards the head end; the foot-end strap can then be stretched around the rolled mattress to prevent unrolling.
- ▶ Do not fold, crease, or stack the mattress.

MAINTENANCE

General

- ▶ Check the power cord for abrasions or excessive wear.
- ▶ Check the mattress cover for signs of wear or damage. Ensure the cover and tubes are connected correctly.
- ▶ Plug in the pump unit and check the airflow from the hose connection port. The airflow should alternate between ports every half-cycle time.
- ▶ Check the air hoses for kinks or breaks. For replacement, please contact your authorized dealer.
- ▶ Ensure the mattress tube is securely connected.
- ▶ Check the pump unit and make sure both power indicators are off when the switch is turned off.

Low pressure

Check for air leakage between the pump and the mattress connections or from the air mattress tubes:

- ▶ Check connectors between the air mattress and pump. If it is disconnected or loose, securely connect it.
- ▶ Check CPR Valves. Ensure outlets are sealed.
- ▶ Check air-connecting tubes. Ensure individual cells are not broken.
- ▶ Set pressure at Max Firm. Keep the tubes fully inflated and inspect for air leakage.
- ▶ Check for air leakage from cells. Ensure no leakage occurs. If any leakage occurs, please contact your authorized dealer.

TROUBLESHOOTING

Problem	Solution
Pump not working	<ol style="list-style-type: none">1. Check that plug is inserted firmly into the outlet.2. Switch on power. <ul style="list-style-type: none">▶ If power light LED is on and the pump is still not working, contact your authorized dealer immediately.▶ If power light LED is off, the outlet may be faulty. Connect another electrical product to the outlet to check if the outlet is working. If it's not working, connect the power cord to another outlet. If the power LED is still off, contact your authorized dealer.
Incomplete inflation (Low Pressure)	<ol style="list-style-type: none">1. For a quick check, adjust pressure to Firm.2. Check that the tubes connected to pump are kinked or if there is any leakage. <ul style="list-style-type: none">▶ Ensure tubes aren't kinked.▶ If there is any leakage, replace tubes.▶ Ensure CPR valves are closed. Ensure each individual cell is not broken.
Slow air flow	<p>A dirty filter may decrease air flow. Change filter. Check filter once a month.</p> <ul style="list-style-type: none">▶ Check the air filter at back of pump unit at least once a month.

SPECIFICATIONS

Technical Specifications

PUMP

Item: SoftCaire Delux Bariatric System
Power Supply: 120V/60Hz, 1A
Air Output: 12 liter/min.
Pressure Range: 20 mmHg - 65 mmHg
Case Material: Flame Retardant ABS
Max Firm Mode: Low Pressure/Power Failure/Alternate Failure
Alarm: Low pressure/Power Failure/Alternate Failure
Mode: Alternate/Static/Seat inflate modes
Size: 13.4 x 5 x 9.6 inches (34cm x 12.5cm x 24.4cm)
Weight: 7.75lbs (3.5 kg)

MATTRESS

Size: 42 x 80 x 10 inches (203cm x 106cm x 26cm)
Top cover: Nylon/PU quilted with zipper
Air cells: Nylon/TPU Cell-on-Cell
Weight Capacity: 660lbs/300kg
20 Air Cells
CPR Valve for Emergency procedures
Pillow Function
Quick Connectors

Note:

The above specifications are also applicable to those areas operating with the same power supply range.

WARRANTY

Your Rhythm product is warranted to be free of defects in materials and workmanship for eighteen (18) months to the original consumer purchaser. This warranty does not cover device failure due to misuse, negligence, improper storage or handling, improper operation, and unauthorized modifications. This warranty does not cover device failure due to owner misuse or negligence, or normal wear and tear. The warranty does not extend to non-durable components, such as rubber accessories, which are subject to normal wear and need periodic replacement.

If the product is to be returned to Rhythm Healthcare, prior authorization will be required. This product is identified by a serial number at the time of manufacture. Removing or defacing the serial number label may void this warranty. If you have a question about your Rhythm Healthcare product or this warranty, please email us at contactus@rhythmhc.com



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V3: 9/11/24