



SELECT SERIES CONVERTIBLE MATTRESS



USER MANUAL

LCM-INS-LAB-RevE21

Read this manual before operating your Convertible Mattress.

Save this manual for future use.

CONTENTS

| | | |
|-----------|--|-----------|
| 1 | INTRODUCTION..... | 3 |
| | INTENDED USE..... | 3 |
| | CONTRAINDICATIONS..... | 3 |
| | PRODUCT SYMBOL KEY..... | 3 |
| 2 | SAFETY PRECAUTIONS..... | 4 |
| | SIGNIFICANCE OF SAFETY STATEMENTS..... | 4 |
| | WARNINGS..... | 4 |
| 3 | FEATURES..... | 7 |
| 4 | HANDLING PROCEDURES..... | 8 |
| | UNPACKING..... | 8 |
| | STORAGE..... | 8 |
| | DISPOSAL..... | 8 |
| 5 | SETUP..... | 9 |
| | MATTRESS INSTALLATION..... | 9 |
| | PUMP INSTALLATION (IF EQUIPPED)..... | 9 |
| 6 | OPERATING INSTRUCTIONS..... | 10 |
| | PATIENT PLACEMENT AND NURSING CARE..... | 10 |
| | ALTERNATING PRESSURE ADJUSTMENT..... | 10 |
| | CONVERTING ALTERNATING PRESSURE TO STATIC-AIR MODE..... | 10 |
| | SKIN CARE..... | 10 |
| | INCONTINENCE / DRAINAGE..... | 11 |
| | GENERAL OPERATION..... | 11 |
| | CPR..... | 11 |
| 7 | CARE AND MAINTENANCE..... | 12 |
| | CLEANING..... | 12 |
| | GENERAL GUIDANCE..... | 12 |
| | WASHING AND DISINFECTION..... | 12 |
| | CLEANING AIR PUMP AND TUBES..... | 13 |
| | INSPECTION / SYSTEM CHECK-OUT..... | 13 |
| 8 | TROUBLESHOOTING..... | 14 |
| 9 | SPECIFICATIONS..... | 15 |
| 10 | LIMITED WARRANTY..... | 17 |
| 11 | INDEX..... | 19 |

1 INTRODUCTION

Congratulations on your purchase of the Lumex Select Series Convertible Mattress. This guide covers its use. The following pages will provide you with important safety and operating instructions as well as maintenance and warranty information. Read this manual carefully before operating your Convertible Mattress and refer to it as often as needed. Consult your authorized distributor and / or healthcare professional with any questions or concerns regarding safe and effective techniques for operating your Convertible Mattress.

Please see the list below for model descriptions covered by this user manual:

| MODEL | DESCRIPTION |
|---|---|
| LCM3580 | Lumex Select Convertible Mattress Non-Powered |
| LCM3580RB | Lumex Select Convertible Mattress Non-Powered Self Adjusting with Side Bolsters |
| LCM3980 | Lumex Select Convertible Alternating Pressure Mattress |
| LCM3980RB | Lumex Select Convertible Alternating Pressure Mattress with Side Bolsters |
| LCM4280 | Lumex Select Convertible Mattress Non-Powered |
| LCM4280RB | Lumex Select Convertible Mattress Non-Powered Self Adjusting with Side Bolsters |
| LCM4280B | Lumex Select Convertible Mattress Non-Powered - Bariatric |
| LCM4284 | Lumex Select Convertible Non-Powered |
| LCM4880 | Lumex Select Convertible Mattress Non-Powered Self Adjusting |
| LCM4880RB | Lumex Select Convertible Mattress Non-Powered Self Adjusting with Side Bolsters |
| LCM4880B | Lumex Select Convertible Mattress Non-Powered Self Adjusting - Bariatric |
| LCMVC3584 * | Lumex Select Mattress for VRSCRE Model |
| LCMTC3584 * | Lumex Select Mattress for TTLCRE Model |
| * This model not available with pump | |
| LCMP100 | Pump, Lumex Select Convertible Mattress |

INTENDED USE

The Lumex Select Series Convertible Mattress is designed to aid in the treatment and prevention of pressure ulcers while optimizing user comfort.

Contraindications

- ⚠ **WARNING: Patient conditions for which the application of pressure-relieving therapy on an alternation system are contraindicated include cervical or skeletal traction and unstable spinal cord injuries.**
- ⚠ **WARNING: The Select Convertible Mattress is not intended for use by patients who need dynamic airflow.**

PRODUCT SYMBOL KEY

| SYMBOL | DESCRIPTION |
|---|----------------------|
|  | Warning |
|  | Grounding Terminal |
|  | Type BF Applied Part |

| SYMBOL | DESCRIPTION |
|--|------------------------|
|  | Class II Equipment |
|  | Notice |
|  | Operating Instructions |

2 SAFETY PRECAUTIONS

IMPORTANT: Before using Convertible Mattress, read and adhere to the following safety precautions and warnings. Failure to do so could result in serious personal injury or damage to your Convertible Mattress.

- ⚠ WARNING:** Caregivers should be sure to discuss Safety Information, Risks and Precautions and Contraindications with the patient (or the patient's legal guardians) and the patient's family.

Always consult your healthcare professional to determine safe methods most suitable for your individual abilities. Protect yourself, your attendant and Convertible Mattress by having it serviced regularly. If you experience any malfunction, contact GF Tech Support at 1.770.368.4700 or your GF authorized distributor immediately, as a hazardous condition could result, causing personal injury or damage to your Convertible Mattress.

Periodic inspection, adjustment and replacement of worn parts are necessary to provide years of excellent service. Refer to *CARE AND MAINTENANCE* section of this manual.

Maintenance **MUST** be performed by qualified personnel **ONLY**.

SIGNIFICANCE OF SAFETY STATEMENTS

Note the following special statements, used throughout this manual, and their significance:

- ⚠ WARNING:** Indicates a potential hazard situation or unsafe practice that, if not avoided, could result in death or serious personal injury.
- ⚠ CAUTION:** Indicates a potential hazard situation or unsafe practice that, if not avoided, could result in minor or moderate personal injury.
- ▲ NOTICE:** Indicates a potential hazard situation or unsafe practice that, if not avoided, could result in product or property damage.

Info: Provides application recommendations or other useful information to ensure that you get the most from your product.

WARNINGS

- ⚠ WARNING:** Important! Read and understand these instructions before assembling or using the Select Convertible Mattress. If you do not understand any part of these warnings, cautions or instructions, contact a healthcare professional for direction in the use of this product. If the Select Convertible Mattress is not properly assembled, personal injury and damage to the Select Convertible Mattress could result.
- ⚠ WARNING:** If components are damaged or missing, contact your GF authorized distributor immediately. **DO NOT** use substitute parts. Use only Lumex replacement parts. The use of non-Lumex replacement parts could cause personal injury, property damage, and void the warranty.
- ⚠ WARNING:** Unauthorized modification of your Convertible Mattress could cause personal injury, property damage, and void the warranty.
- ⚠ WARNING:** The Lumex Select Convertible Mattress models LCM3580, LCM3980, LCM3980RB, LCM3580RB, LCM4280, LCM4280RB, LCM4284, LCM4880, LCM4880RB, LCMVC3584, and LCMT3584 have a maximum weight capacity of 500 lb (227 kg), **EVENLY DISTRIBUTED**.
- ⚠ WARNING:** The Lumex Select Convertible Mattress models LCM4280B and LCM4880B have a maximum weight capacity of 750 lb (340 kg), **EVENLY DISTRIBUTED**.

- ⚠ WARNING: GF Health Products, Inc. assumes no responsibility for any damage or injury caused by improper assembly or use of this product.**
- ⚠ WARNING: Check all parts for shipping damage before using. In case of damage, DO NOT USE the equipment. Contact the carrier or your GF authorized distributor for further instructions.**
- ⚠ WARNING: Patient Entrance / Exit – Caregiver should always aid patient in exiting the bed. Make sure a capable patient knows how to get out of bed safely (and, if necessary how to release the side rails) in case of fire or other emergency.**
- ⚠ WARNING: Brakes – Caster brakes should always be locked once the bed is in position. Verify wheels are locked before any patient transfer to or from the bed.**
- ⚠ WARNING: Bed Height – To minimize risk of falls or injury, the bed should always be in the lowest practical position when patient is unattended.**
- ⚠ WARNING: Head of Bed Elevation – Keep head of bed as low as possible to help prevent patient migration.**
- ⚠ WARNING: Bed Frame – Always use a standard healthcare bed frame with safeguards or protocols that may be appropriate. Frame and side rails must be properly sized relative to the mattress to help minimize any gaps that might entrap a patient’s head or body. Check the bed frame labeling or with the manufacturer for dimensions prior to mattress placement.**
- ⚠ WARNING: Side Rails / Patient Restraints – Whether and how to use side rails or restraints is a decision that should be based on each patient’s needs and should be made by the patient and the patient’s family, physician and caregivers, with facility protocols in mind. Caregivers should assess risks and benefits of side rail / restraint use (including entrapment and patient falls from bed) in conjunction with individual patient needs and should discuss use or non-use with patient and / or family. Consider not only the clinical and other needs of the patient but also risks of fatal or serious injury from falling out of bed and from patient entrapment in or around the side rails, restraints or other accessories. Consult a caregiver and carefully consider the use of bolsters, positioning aids or floor mats, especially with confused, restless or agitated patients. It is recommended that side rails (if used) be locked in the full upright position when the patient is unattended. Make sure a capable patient knows how to get out of bed safely (and, if necessary, how to release the side rails) in case of fire or other emergency. Monitor patients frequently to guard against patient entrapment.**
- ⚠ WARNING: To help prevent inadvertent bed exits or falls, ensure the distance between the top of side rails (if used) and top of mattress (without compression) is approximately 4.5 inches / 11.4 cm. Consider individual patient size, position (relative to the top of the side rail), and patient condition in assessing fall risk.**
- ⚠ WARNING: I.V. and Drainage Tubes – I.V. and drainage tubes should always have slack for Alternating Pressure and other patient movements.**
- ⚠ WARNING: Skin Care – Monitor skin conditions regularly and consider adjunct or alternative therapies for high acuity patients. Give extra attention to skin over any raised side bolster and to any other possible pressure points and locations where moisture or incontinence may occur or collect. Early intervention may be essential to preventing skin breakdown.**

⚠ WARNING: Fluids – Avoid spilling fluids on pump controls. If spills do occur, unplug unit immediately and clean fluid from pump wearing rubber gloves while it is unplugged to avoid any possibility of shock. Once fluid is removed, check operation of components in area of spill.

Fluids remaining on controls can cause corrosion, which may cause components to fail or operate erratically, possibly producing potential hazards for patient and staff.

⚠ WARNING: Avoid Fire Hazards – To minimize risk of fire, connect the bed’s power cord directly into a wall-mounted outlet. Do not use extension cords or multiple outlet strips.

⚠ WARNING: No Smoking in Bed – Smoking in bed can be dangerous. To avoid the risk of fire, smoking in bed must never be allowed.

⚠ WARNING: Power Cord – Ensure power cord is kept free from all pinch points and moving parts and is not trapped under casters. Improper handling of the power cord can cause damage to the cord, which may possibly produce risk of fire or electric shock.

⚠ WARNING: General Protocols – Follow all applicable safety rules and institution protocols concerning patient and caregiver safety.

⚠ WARNING: Disposal – At the end of useful life, dispose of waste according to local requirements or contact the manufacturer for advice.

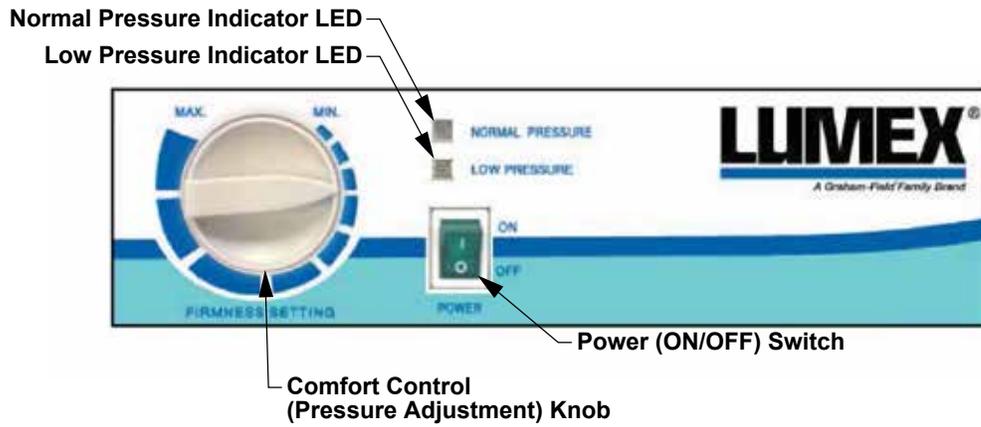
⚠ WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov.

⚠ WARNING: GF Health Products, Inc. specifically disclaims responsibility for any bodily injury or property damage which may occur during any use which does not comply with federal, state or local laws or ordinances.

3 FEATURES



Lumex Select Series Convertible Mattress System



Lumex Select Series Convertible Mattress Pump Front Panel

4 HANDLING PROCEDURES

UNPACKING

1. Check for any obvious damage to the carton or its contents. If damage is evident, notify the carrier or your GF authorized distributor.
2. Open shipping container.

▲ NOTICE: Do not use sharp instruments to open boxes. Damage to mattress could result.

3. Remove contents.
4. Remove Convertible Mattress from protective plastic cover.

The mattress may appear wrinkled when unpacked. To remove wrinkles, allow mattress up to 24 hours to accommodate; see Troubleshooting table for more information. Wrinkles will not affect inflation or function. Mattress may be used immediately if needed.

5. Check mattress surface for tears or cracking; do not use if tears or cracking are present.

STORAGE

- When not in use, mattress should be stored flat in a dry, controlled climate room.
- DO NOT place other objects on top of the repackaged Convertible Mattress.

DISPOSAL

At the end of its useful life, dispose of the mattress system in accordance with local regulations.

5 SETUP

1. If re-installing the Select Convertible Mattress onto a new frame or for a new patient, check mattress surface for staining and soiling; clean and / or disinfect as required (see Care and Cleaning section).
2. Level bed and lock brakes.
3. Remove existing mattress from bed frame.

MATTRESS INSTALLATION

1. Position mattress on bed frame with logo facing up and foot logo at the foot of the bed.
2. Ensure mattress is properly positioned with no gaps between mattress and bed frame or side rails.

⚠ WARNING: Always use a standard healthcare bed frame with appropriate safeguards and protocols. Frame and side rails must be properly sized relative to the mattress to help minimize any gaps that might entrap a patient's head or body.

PUMP INSTALLATION (IF EQUIPPED)

1. Place pump on a horizontal surface or suspend on the end of bed frame with built-in hanger.
2. Connect pump hoses to mattress. Attach blue hoses to the mattress connectors on the patient left side (marked with BLUE tag) of the mattress for Alternating Pressure. Ensure air hoses are not kinked and will not be pinched by any articulated bed mechanisms.
3. Ensure green Power switch is in the OFF position.
4. Plug pump into a properly grounded wall outlet.
(Verify power to this outlet is not controlled by a wall switch).
5. Press green Power switch to the ON position. Air will begin to flow into mattress.
6. Yellow LED indicates low air pressure; green LED indicates proper air pressure has been reached and mattress is ready for patient placement.

Info: If yellow LED stays on for an extended period of time, it may indicate a problem with the pump, the cylinders within the mattress or the hoses.

6 OPERATING INSTRUCTIONS

PATIENT PLACEMENT AND NURSING CARE

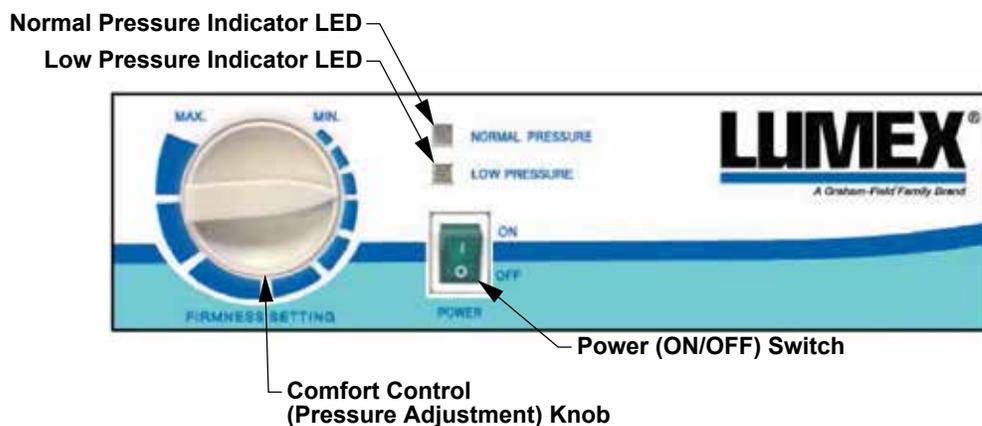
Read all sections of this manual before patient placement. Carefully review the Contraindications, Safety Information, and Risks and Precautions sections prior to placing a patient on any Convertible Mattress.

1. Transfer patient following all applicable safety rules and institution protocols.
2. Center patient side-to-side and head-to-foot on Convertible Mattress.

Alternating Pressure Adjustment

Before engaging Alternating Pressure, ensure bed frame has side rails and that all side rails are fully engaged in the full upright and locked position.

Ensure pump hoses are properly connected to mattress for the desired function.



**Lumex Select Series Convertible
Mattress Pump Front Panel**

1. Rotate the comfort control knob on the pump clockwise to increase the intensity of Alternating Pressure relief.
2. Rotate the comfort control knob on the pump counter-clockwise to reduce the intensity of Alternating Pressure relief.

The Convertible Mattress DOES NOT provide a “Nurse Hold” function.

Converting Alternating Pressure to Static-Air Mode

1. Turn off pump.
2. Remove male and female mattress hoses from pump.
3. Connect male and female mattress hoses together as quickly as possible.
4. Air in alternating cylinders will level out providing a static air surface.

Skin Care

- Remove excess moisture and keep skin dry and clean.
- Check patient’s skin regularly, particularly in areas where incontinence and drainage occur.
- Ensure linens under patient are not wrinkled.
- Early intervention may be essential to preventing serious skin breakdown.

Incontinence / Drainage

- Use moisture-impermeable underpads for incontinent patients.
- Wipe surface clean and replace bed linens as required (see **CARE AND MAINTENANCE / CLEANING** section for cleaning instructions.)

General Operation

Avoid contact of sharp instruments with the Convertible Mattress. Punctures, cuts and tears may prevent proper inflation and air pressure maintenance.

CPR

1. Level bed.
2. Turn pump off and disconnect hoses from pump to level mattress.
3. Lower or remove side rail on caregiver's side if necessary.
4. Begin CPR.
5. After CPR is performed:
 - a. Reconnect pump hoses to mattress and turn pump back on.
 - b. Raise or install side rail if necessary.
 - c. Reconfigure bed and accessories as in initial placement.

7 CARE AND MAINTENANCE

Proper care and maintenance are essential to keeping your Select Convertible Mattress in a safe operating condition. In addition to inspecting the unit before each use, periodic maintenance checks should be done.

- ⚠ WARNING: It is extremely important that the Convertible Mattress be inspected before each use. Ensure that all hardware and accessories are secure and that the actuator is functioning properly. Failure to do so could result in patient / attendant injury or damage to your Convertible Mattress. Torn, cut, frayed or broken slings can fail, resulting in serious injury. Only use slings in good condition. Inspect before each use. Destroy and discard old worn and unusable slings.**
- ⚠ WARNING: Service and repair of the Select Convertible Mattress MUST be performed by qualified personnel ONLY.**
- ⚠ WARNING: Unauthorized modification of the Convertible Mattress or the use of non-Lumex replacement parts may change the structure of the Convertible Mattress and could create a hazardous condition, which may result in serious injury and will void the warranty.**
- ⚠ WARNING: The electronics and actuator contain no serviceable components. DO NOT attempt to open the electronics or actuator. If service is required, consult GF Tech Support at 1.770.368.4700 for further information.**

When you believe a component or part is not functioning properly, immediately contact GF Tech Support at 1.770.368.4700, as a potentially hazardous condition could exist.

CLEANING

General Guidance

Because of the variety of laundry equipment, chemicals, and conditions in use, you should pre-test cleaning of the cover with your agent of choice to ensure compatibility.

Routine Care: Surface wipe with neutral detergent and lukewarm water. Rinse thoroughly with water and dry thoroughly.

Washing and Disinfection

Surface wipe with quaternary solution at the recommended ratios. However, as noted in the general guidance section, you should first test the fabric with the solution you are using to be certain that the fabric is performing as required. Under no circumstances should a phenolic based cleaning agent be used.

CLEANING AIR PUMP AND TUBES

1. Ensure pump is unplugged.
 2. Wipe surface of pump and tubes with coarse cloth using an approved disinfectant germicide mix to manufacturer's instructions.
- ▲ **NOTICE: Do not flood any part of the pump with cleaning solution. Do not immerse the pump in liquid.**
- ▲ **NOTICE: Avoid spilling solutions on pump controls. If spills do occur, clean fluid from pump wearing rubber gloves or while unit is unplugged to avoid any possibility of shock. Once fluid is removed, check operation of components in area of spill. Fluids remaining on controls can cause corrosion, which may cause components to fail or operate erratically, possibly producing potential hazards for patient and staff.**
3. Wipe off excess solution.
 4. Disinfect pump and tubes with chlorine solution (mixed accordingly). Using a clean cloth, wring out excess solution until cloth is damp. Wipe pump surface and tubes with damp cloth.
 5. Allow to air dry.

Preventive maintenance for the Convertible Mattress consists of regular cleaning and an overall system check-out to be performed at the intervals described below.

All components must be cleaned, disinfected and inspected after each patient's use and before use by a new patient. Always use standard precautions, treating all used equipment as contaminated. Institutions should follow local protocols for cleaning and disinfection.

▲ **NOTICE: DO NOT wash Convertible Mattress under water pressure or steam clean.**

INSPECTION / SYSTEM CHECK-OUT

Check each of the following before placing the Convertible Mattress with a new patient:

1. Check mattress surface for tears or cracking; do not use if tears or cracks are present.
2. Ensure mattress is free of stains and is not overly faded.
3. Ensure air inlet hoses and connectors on mattress and pump are clean and undamaged.
4. Ensure pump and power cord are clean and undamaged.
5. Ensure pump hanger brackets are secure and operate correctly.
6. Ensure OFF / ON Power switch and comfort control knob both operate correctly.
7. Attach pump to the blue Alternating Pressure hoses and power up to ensure there are no air leaks.

8 TROUBLESHOOTING

The following list of problems, their causes and solutions will assist you in determining what may be causing your Select Air Mattress not to function as designed. If a problem occurs which is not listed below, contact GF Tech Support at 1.770.368.4700 for further information. Do not attempt to repair components or parts, as this may invalidate your warranty or cause further problems that may result in patient injury. Stop using your mattress immediately if it is not functioning correctly or any warning beeps are heard.

If any of the following symptoms occur, follow the steps below to troubleshoot.

Review all selections of this manual before troubleshooting any Select Convertible Mattress.

Do not attempt any troubleshooting not shown in this manual or where the remedy recommends contacting a GF authorized distributor. Any unauthorized service, modification, alteration, or misuse may lead to serious injury and / or product damage and will void all applicable warranties.

| SYMPTOM | POSSIBLE CAUSE | SOLUTION |
|--|---|--|
| Green lamp on pump does not illuminate when power switch is set to ON position. | Power cord may be unplugged. | Plug in Power cord. |
| | Wall outlet may be controlled by a wall switch. | Plug Power cord into different wall outlet. |
| | Circuit breaker for wall switch may be tripped or blown. | Reset circuit breaker or replace fuse. |
| | Power cord or power switch may be damaged. | Contact GF authorized distributor for assistance. |
| Mattress does not inflate or become firm; yellow LED remains illuminated (does not change to green LED). | Tubing not connected properly. | Ensure blue hoses are connected to hoses marked with blue tag for Alternating Pressure; check tubing inside mattress for loose connectors. |
| | Tube kinked. | Check tubing inside mattress for kinks. |
| | Tubing disconnected. | Check tubing inside mattress for possible disconnect. |
| | Holes in or damage to mattress. | Contact GF authorized distributor for assistance. |
| | Pump may be damaged. | Contact GF authorized distributor for assistance. |
| Mattress cover too wrinkled upon removal from shipping container. | Internal components have not accommodated to environment. (This does not affect inflation or function). | Set unit up and allow to run for 24 hours, if problem persists, contact GF authorized distributor for assistance. |

⚠ WARNING: If you experience a problem with your convertible mattress and are unable to service it yourself, contact GF Tech Support at 1.770.368.4700 or your GF authorized distributor.

9 SPECIFICATIONS

| MATTRESS | | |
|---|------------------|---|
| DESCRIPTION | MODEL | SPECIFICATION |
| MAXIMUM WEIGHT CAPACITY (EVENLY DISTRIBUTED) | LCM3580 | 500 lb / 227 kg |
| | LCM3880RB | 500 lb / 227 kg |
| | LCM3980 | 500 lb / 227 kg |
| | LCM3580RB | 500 lb / 227 kg |
| | LCM4280 | 500 lb / 227 kg |
| | LCM4280RB | 500 lb / 227 kg |
| | LCM4280B | 750 lb / 340 kg |
| | LCM4284 | 500 lb / 227 kg |
| | LCM4880 | 500 lb / 227 kg |
| | LCM4880RB | 500 lb / 227 kg |
| | LCM4880B | 750 lb / 340 kg |
| | LCMVC3584 | 500 lb / 227 kg |
| | LCMTC3584 | 500 lb / 227 kg |
| DIMENSIONS (W X L X H) | LCM3580 | 35 in. x 80 in. x 7 in. / 88.9 cm x 203.2 cm x 17.8 cm |
| | LCM3580RB | 35 in. x 80 in. x 9 in. / 88.9 cm x 203.2 cm x 22.9 cm |
| | LCM3980 | 39 in. x 80 in. by 8 in. / 99.1 cm x 203.2 cm x 20.3 cm |
| | LCM3580RB | 39 in. x 80 in. by 8 in. / 99.1 cm x 203.2 cm x 20.3 cm |
| | LCM4280 | 42 in. x 80 in. x 7 in. / 106.7 cm x 203.2 cm x 17.8 cm |
| | LCM4280RB | 42 in. x 80 in. x 9 in. / 106.7 cm x 203.2 cm x 22.9 cm |
| | LCM4280B | 42 in. x 80 in. x 7.5 in. / 106.7 cm x 203.2 cm x 19.1 cm |
| | LCM4284 | 42 in. x 84 in. x 7 in. / 106.7 cm x 213.4 cm x 17.8 cm |
| | LCM4880 | 48 in. x 80 in. x 7 in. / 121.9 cm x 203.2 cm x 17.8 cm |
| | LCM4880RB | 48 in. x 80 in. x 9 in. / 121.9 cm x 203.2 cm x 22.9 cm |
| | LCM4880B | 48 in. x 80 in. x 7.5 in. / 121.9 cm 203.2 cm x 19.1 cm |
| | LCMVC3584 | 35 in. x 84 in. x 7 in. / 88.9 cm x 213.4 cm 17.8 cm |
| | LCMTC3584 | 35 in. x 84 in. x 7 in. / 88.9 cm x 213.4 cm 17.8 cm |

SPECIFICATIONS CONTINUED

| PUMP (UL LISTED) | | |
|--|---|--|
| MODEL | DESCRIPTION | SPECIFICATION |
| LCMP100 | DIMENSIONS (L X W X H) | 10.25 in. x 4.5 in. x 3.75 in. / 26 cm x 11.5 cm x 9.5 cm |
| | WEIGHT | 3.3 lb (1.5 kg) |
| | POWER SUPPLY | AC 120V 60Hz; 12W, 1A |
| | POWER CORD LENGTH | 12 ft. / 3.66 m |
| | OUTPUT | ≥7 liters per min. |
| | CYCLE TIME | 10 min. |
| | SAFETY STANDARDS | ANSI / AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN / CSA-C22.2 No. 60601-1 (2008) |
| | MEDICAL EQUIPMENT SPECIFICATIONS | Class II (USA); IPXO; AP / APG NO; Type BF  |
| | APPLIED PART | Mattress |
| | ENVIRONMENTAL REQUIREMENTS | Temperature |
| Storage: 59°F ~122°F (15~50°C) | | |
| Shipping: Shipping 59°F ~158°F (15~70°C) | | |
| Humidity | | Operation: 20%~80% non-condensing |
| | Storage: 10%~90% non-condensing | |

10 LIMITED WARRANTY

SCOPE OF WARRANTY

GF Health Products, Inc. (“GF”) warrants to the original purchaser only that it will replace or repair components, at GF’s sole discretion, that are defective in material or workmanship under normal use and service. All warranties are conditioned upon the proper use of the products strictly in accordance with good commercial practice and applicable GF instructions and manuals, including proper use and maintenance. To the extent that a component is warranted by a third party, GF conveys all of its rights under that warranty to the original purchaser, to the extent permitted. This limited warranty shall only apply to defects that are reported to GF’s customer service team within the applicable warranty period and which, upon examination by GF or its authorized representative, prove to be a warranty item. This limited warranty is not transferable.

The warranted components and time period are set forth below:

Mattress five (5) years
Pump one (1) year

The applicable warranty period shall commence from date of shipment to the original customer, unless there is an expiration date on the component in which case the warranty shall expire on the earlier of warranty period or the expiration date.

OBTAINING WARRANTY SERVICE

This limited warranty shall only apply to defects that are reported to the Distributor from whom the Customer purchased the product within the applicable warranty period. If there is not a Distributor, you must contact GF directly by calling 1.770.368.4700, sending a fax request to 1.770.368.2386, or by e-mailing a request to cs@grahamfield.com. Specific directions will be provided by the Customer Service Representative. Failure to abide by the specific directions will result in denial of the warranty claim.

The warranty does not cover and GF shall not be liable for the following:

- 1) Defects, damage, or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident, freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- 2) Products which are not installed, used, or properly cleaned and maintained as required in the official manual for the applicable product;
- 3) Products considered to be of a non-durable nature including, but not limited to: filters, fuses, gaskets, lubricants, and charts;
- 4) Accessories or parts not provided by GF;
- 5) Charges by anyone for adjustments, repairs, replacement parts, installation or other work performed upon or in connection with such products which are not expressly authorized in writing, in advance, by GF;
- 6) Any labor or shipping charges incurred in the replacement part installation or repair;
- 7) Costs and expenses of regular maintenance and cleaning; and
- 8) Representations and warranties made by any person or entity other than GF.

ENTIRE WARRANTY, EXCLUSIVE REMEDY AND CONSEQUENTIAL DAMAGES DISCLAIMER

THIS WARRANTY IS GF'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. GF MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IF ANY MODEL OR SAMPLE WAS SHOWN TO THE CUSTOMER, SUCH MODEL OR SAMPLE WAS USED MERELY TO ILLUSTRATE THE GENERAL TYPE AND QUALITY OF THE PRODUCT AND NOT TO REPRESENT THAT THE PRODUCT WOULD NECESSARILY CONFORM TO THE MODEL OR SAMPLE IN ALL RESPECTS. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PARTS. GF SHALL NOT BE LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO: DAMAGES FOR LOSS OF PROFITS OR INCOME, LOSS OF USE, DOWNTIME, COVER, OR EMPLOYEE OR INDEPENDENT CONTRACTOR WAGES, PAYMENTS AND BENEFITS.

The warranties contained herein contain all the representations and warranties with respect to the subject matter of this document, and supersede all prior negotiations, agreements and understandings with respect thereto. The recipient of this document hereby acknowledges and represents that it has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance, except those set out in this document.

For additional information on this product or this warranty, please contact a GF Customer Service Representative.

NOTES:

- 1) Additional terms and conditions may apply.
- 2) Freight claims must be notated on the appropriate shipping documents and must be made with immediacy. International, federal and state regulations govern specific requirements for freight claims. Failure to abide by those regulations may result in a denial of the freight claim. GF will assist you in filing the freight claim.
- 3) Claims for any short shipment must be made within three (3) days of the invoice date.

11 INDEX

A

Alternating pressure adjustment 10
Assembly instructions 9

C

Care and maintenance 12
CAUTION statement, significance 4
Cleaning 12
Cleaning air pump and tubes 13
Contraindications 3
Converting alternating pressure to static-air mode 10
CPR 11

D

Disinfection 12
Disposal 8
Drainage 11

F

Features 7

G

General operation 11

H

Handling Procedures 8

I

Incontinence 11
Info statement, significance 4
Inspection 13
Intended use 3
Introduction 3

M

Mattress installation 9

N

NOTICE statement, significance 4
Nursing care 10

O

Operating instructions 10

P

Patient Placement 10
Product symbol key 3
Pump installation 9

S

Safety precautions 4
Safety statements, significance of 4
Select Series Convertible Mattress models 3
Setup 9
Skin care 10
Specifications 15
Storage 8

T

Troubleshooting 14

U

Unpacking 8

W

Warnings 4
WARNING statement, significance 4
Warranty, limited 17
Weight capacity, maximum 4



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