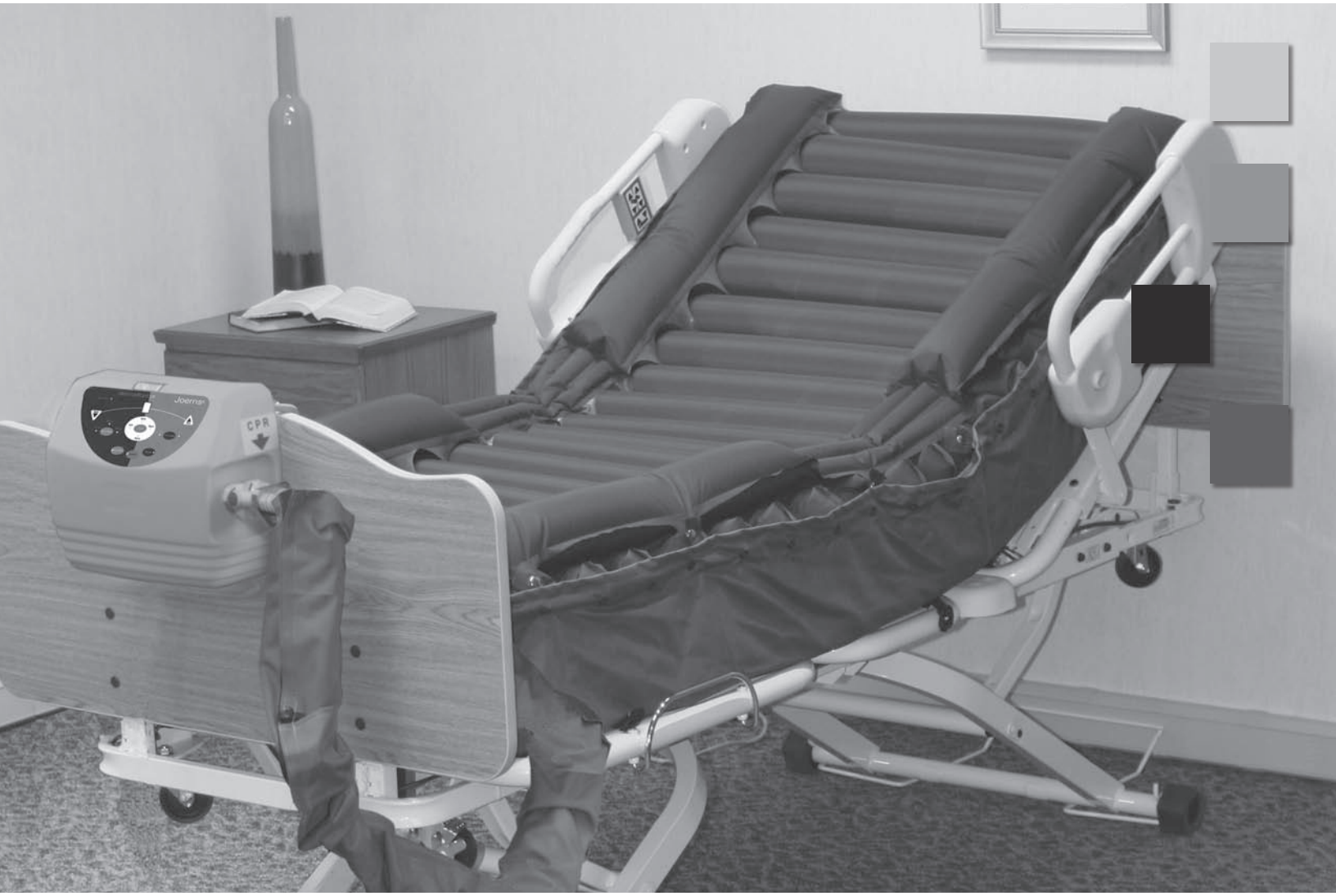
Joerns Healthcare

User-Service Manual
Joerns Support Surface
DermaFloat® LR Model

To avoid injury, read user's manual before using.



transforming wound management

Important Precautions

Important Notice: The equipment must be installed and operated in the manner for which it was intended. Facility staff/user is responsible for reading and understanding the product user manual and contacting Joerns Healthcare, if anything in this manual is unclear. Joerns will not be held responsible for any injuries resulting from failure to comply with the instructions and precautions in this manual.

⚠**Warning:** Joerns' specialty support surfaces are designed as mattress replacement systems. The risk of entrapment may occur when the equipment is placed on bed frames that leave gaps of even a few inches between the mattress and the headboard, footboard, and bed or side rails. The equipment is NOT to be used when such gaps are present.

Facility staff/user is responsible for ensuring that all mattresses properly fit the bed frames. Joerns is not responsible for the placement of its equipment on bed frames that leave gaps between the mattress and the headboard, footboard or bed or side rails which present a risk of harm to residents.

⚠**Warning:** The safe use of the equipment is maximized when used in conjunction with bed rails; there may be an increased risk of falls when such bed rails are not present. Serious injury or death can result from the use (potential entrapment) or non-use (potential resident falls) of side rails or other restraints. Local policies regarding the use of side rails should be taken into account. Whether and how to use side rails is a decision that should be based on each resident's individual needs and should be made by the physician, caregivers and responsible parties.

When using the mattress system, always ensure that the resident is positioned properly within the confines of the bed. Do not let any extremities protrude over the side or between the bed rails when the mattress is being used.

⚠**Danger Explosion Hazard:** Do not use in the presence of flammable anesthetics. Do not use in the presence of smoking materials or open flame. Air flowing through the air mattress will support combustion.

⚠**Danger:** To reduce the risk of shock, adhere to the following instructions. Failure to do so could result in personal injury or equipment damage.

- Immediately after using the DermaFloat® LR, unplug it from its power source.
- Do not place or store the product where it can fall or be pulled into a tub or sink.
- Do not place or drop the product into water or other liquid.
- Do not remove the back of the control unit. Refer servicing to Joerns.

⚠**Warning:** To reduce the risk of burns, shock, fire, or personal injury, adhere to the following instructions. Failure to do so could result in personal injury or equipment damage.

1. Use this product only for its intended purpose as described in this manual. Only use attachments and/or accessories that are recommended by the manufacturer.
2. If this product has a damaged power cord or plug, is not working properly, has been dropped or damaged, or has been dropped into water, do not operate it. For examination and repair, return the product to Joerns.
3. Keep the control unit and power cord away from heated surfaces, e.g. space heaters.
4. Never block the air openings of the product. Do not place the control unit on a surface, such as a bed or couch, where the air opening and/or filter compartment, located on the back of the control unit, may be blocked. Keep the air openings free of lint and hair.
5. Never drop or insert any object into any opening or hose.
6. Do not spill food or liquids onto the control unit. If a spillage does occur, turn off the unit, disconnect it from its power supply and allow at least 24 hours for drying.
7. Do not use the product outdoors, or where aerosol-spray products are used.
8. Plug this product only into a properly grounded outlet. Refer to "Grounding Instructions".

9. Ensure nothing is placed on the power cord and ensure it is not located where it can be stepped on or tripped over.
10. Do not attempt to service the control unit. Please call Joerns for any service requests.
11. The therapy pad (top cover) of this product is not air permeable and may present a suffocation risk. It is the responsibility of the caregiver to ensure that the resident can use this product safely.

Save These Instructions for Future Reference

Bed System Entrapment Information

Although common in the practice of long-term care, bedside rails, in recent years, have also been a subject of regulatory review and evolution in design and use.

That focus includes not only the challenge of achieving an appropriate balance between resident security and unnecessary restraint, but also the additional safety issue of entrapment.

The U.S. Food and Drug Administration (FDA), working with Joerns Healthcare and other industry representatives, has addressed the potential danger of entrapment with new safety guidelines for medical beds. These guidelines recommend dimensional limits for critical gaps and spaces between bed system components.

Entrapment zones involve the relationship of bed components often directly assembled by the healthcare facility rather than the manufacturer. Therefore, compliance is the responsibility of the facility.

As the leading manufacturer of long-term care beds and a frontrunner in addressing this critical issue, Joerns Healthcare can offer you the expertise, assistance and products to bring your facility into compliance.

Joerns® Compliance Solutions

Matching the right bed components in order to meet regulatory guidelines can be complex.

That's why Joerns offers a wide array of compliance options. We assist customers in selecting compliant accessories recommended for their specific bed model.

Creating a Safer Care Environment

While the guidelines apply to all healthcare settings (hospitals, nursing homes and home care), long-term care facilities have particular exposure since serious entrapment events typically involve frail, elderly or dementia residents.

For More Information

To learn more about compliance options with Joerns products, visit our website at www.joerns.com, or contact our Customer Care representatives at 800.826.0270 and ask for free informational publications.

To learn more about entrapment zones, assessment methods, and guidelines concerning entrapment, contact Joerns Healthcare at 800.826.0270 or consult the FDA website: www.fda.gov/cdrh/beds.

Table of Contents

Introduction

The DermaFloat® LR, provided by Joerns Healthcare, is a unique, continuous bilateral rotation mattress replacement system. This system is designed to assist in the effective management of residents at risk from the complications of immobility while providing low air loss therapy. Low air loss therapy has been demonstrated to reduce the risk of pressure ulcers as well as being a valuable aid in the treatment of pressure ulcers.

⚠ **Warning:** The risk of entrapment can arise when equipment is placed on bed frames that leave gaps of even a few inches between the mattress and the headboard, footboard, and bed or side rails. The equipment is NOT to be used when such gaps are present. See “Important Precautions” section of this manual.

The DermaFloat LR mattress replacement system is suitable for both the treatment of existing pressure ulcers stage I through stage IV as well as those who have been assessed at risk from the complications of immobility. The DermaFloat LR is quiet, comfortable and simple enough for single caregiver installation, featuring rapid inflation in just 15 minutes or less. The user-friendly controls allow for easy adjustment of resident comfort.

Additionally, low friction and low shear materials, together with average interface pressures well below capillary closure levels, means that the DermaFloat LR meets the comfort and clinical requirements of your residents up to 350 lbs.

We have ensured that the DermaFloat LR addresses the four key areas in the treatment of compromised skin: pressure relief, moisture control, and reduction in both friction and shearing forces.

Moisture Control

Residents are at risk for skin maceration if excess moisture is permitted to accumulate beneath the resident. This may be due to perspiration, incontinence or wound drainage.

On the DermaFloat LR, moisture is controlled via the specially treated breathable, fluid-proof, urethane coated nylon therapy pad. The moisture vapor permeable fabric of the therapy pad allows a sufficient amount of air to circulate beneath the pad and wicks away excess moisture.

Shear and Friction Reduction

Shearing occurs when the skin is stationary in relation to the support surface, while the underlying tissues and vessels are stretched and damaged. When a resident’s skin rubs against another surface, the result is friction. The top surface of the DermaFloat LR therapy pad is constructed from a very smooth nylon fabric with low friction and low shear properties to protect the resident’s skin from these damaging forces.

Indications for Use

Note: The selection of a pressure-relieving surface needs to be based on each individual resident’s clinical condition, diagnosis and/or co-morbidities. The choice and use of a support surface is one factor in a holistic program of wound care and treatment.

Spinal Cord Injury

The DermaFloat LR is not recommended for use by residents with unstable spinal fractures. Advice should be obtained from the appropriate physician before using the DermaFloat LR system for these residents.

Pressure Relief

Pressure Ulcers
Respiratory Conditions
Dermatology
Amputations
Rehabilitation
Neurology
Burns

Pain Management

AIDS
Arthritis
Oncology

The DermaFloat® LR provides distribution of weight over a wide surface area, which relieves pressure against bony prominences and provides a soft, gentle therapy surface to lie on. For residents experiencing severe pain and discomfort due to pressure and/or positioning limitations, consider the DermaFloat LR as an adjunct to pain management interventions.

Note: Pressure relief and pain management are conditions and diagnoses for which the DermaFloat LR may be indicated. Occasionally, there are orthopedic and neurological residents that require body positioning to be maintained in specific alignment. The use of the DermaFloat LR for these residents should be considered on an individual basis and discussed with the attending physician.

Features

The DermaFloat LR is comprised of two components:

- Therapy control unit
- Therapy mattress system

Therapy Control Unit Features

- True low air loss with up to 100 liters of airflow per minute.
- Three modes of operation – *Autofirm*, *Turn* and *Static*.
- *Static* mode (default) provides continuous low air loss pressure relief.
- *Autofirm* mode provides maximum air inflation designed to assist both residents and caregivers during resident transfer and treatment.
- *Pause* feature allows the caregiver to pause the mattress rotation at any point for resident emergencies or care.
- Automatic panel lock out to avoid unwanted or accidental adjustments.
- Nine therapeutic comfort control settings to maximize resident compliance and promote healing.
- Closed loop pressure sensor control system eliminates concerns of changes in mattress interface pressure due to ambient temperature and pressure changes.
- Quick disconnect hose feature allows for rapid attach and CPR deflate at the control unit.
- Compact lightweight control unit is quiet, robust and powerful, with a reusable air filter.
- Crisp, easy to read graphics for intuitive set up and therapy control.
- Integrated swing out hanging brackets for affixing to most bed types.

Therapy Mattress System Features

- Twenty individual therapy cells help to evenly distribute the resident's weight and maximize pressure relief. Modular cell design mattress for ease of cleaning, re-assembly and cost effective service.
- Lower two-inch therapy support cell provides additional therapeutic support and remains inflated for up to 12 hours in the event of a power failure.
- Eight-inch deep therapy cells are constructed of highly durable, polyurethane coated nylon to provide adequate support and prevent "bottoming out" for most residents within weight limit.
- Ten-inch safety side bolsters provide comfort and support for residents during the rotation cycle.
- Quilted therapy pad is vapor permeable, breathable, fluid-proof, and minimizes friction and shearing.
- Durable base tub is constructed from 100% heavy weight 1680 denier nylon with a 1.5 oz. urethane coating and incorporates bed attachment loops for stability.
- Supports up to 350 lbs. resident weight
- CPR deflation
- Anti-kink, easy clean air supply hose set

Figure 1

Therapy Pads

Many healthcare facilities are facing the challenge of infection control. Joerns quilted therapy covers are treated with an antimicrobial to protect the therapy pad itself from the growth of mold, mildew and odor-causing bacteria.

Key features and benefits:

- Treated with a highly effective bacteriostat agent to inhibit the growth of bacterial and fungus.
- Constructed from a very smooth nylon fabric with low friction and low shear properties to protect the resident's skin from damaging friction/shearing forces.
- Breathable, moisture vapor permeable fabric allows air to circulate beneath the pad and wicks away excess moisture. This keeps your resident dry and helps to prevent skin maceration.
- Two-way stretch therapy pad is designed for optimal comfort, moisture vapor transfer, stain resistance and ease of laundering

Grounding Instructions

⚠**Warning:** Use a properly grounded, three-prong, 120V AC outlet for this product. Failure to use a grounded outlet could result in personal injury or damage to equipment or house wiring, including risk of fire. A qualified electrician should be contacted to correct the wiring and ensure a properly grounded outlet.

Before installing this product, have the electrical system checked to make sure the electrical circuits and the electrical service are properly grounded.

Having a three-prong outlet does not necessarily mean it is grounded. Sometimes two-prong outlets are replaced with a three-prong type even though there is no ground wire.

There is always a chance of a loose connection or poor installation of a ground wire that causes the loss of proper ground at the outlet. Inadequate grounding at electrical outlets can occur even if there is a ground wire. Wires can become loose over time at the connection to the outlet.

Note: To install new wires on a circuit requires a qualified electrician.

How to Determine if Your Outlet has the Proper Grounding

Most hardware stores sell circuit testers (Figure 2) that can be used to test an outlet for proper grounding. The tester plugs into an outlet and by observing the indicator lights you can determine if the outlet is properly grounded. For a higher level of assurance, an electrician should be requested to thoroughly test the electrical system with more reliable equipment.

Figure 2

If repair or replacement of the cord or plug is necessary, please contact Joerns Healthcare for assistance.

Setup

⚠**Warning:** For important precautions, please see page two.

Caution: Do not place the control unit on the floor. Position the power cord to keep personnel from tripping over it.

Note: The DermaFloat LR system must be installed on bed frames that are equipped with side rails. Please raise side rails on the bed and lock them in position after the resident is on the mattress. Never leave resident unattended on mattress system with bed side rails in the down position.

When the product is not in use, properly store the power cord. Failure to do so could result in personal injury.

- Remove the existing mattress from the bed.
- Place the DermaFloat LR mattress with the hose connection at the foot end of the bed and the therapy cells facing up. Secure the straps on the mattress securely to the movable part of the bed frame.

- If the therapy pad is not already on the mattress, place it on the mattress. Attach the elastic straps to the mattress buckles around each corner of the mattress. Attach the six (6) additional straps to the movable part of the bed frame.
- Hang the control unit on the foot of the bed facing away from the bed. Attach the hose connector marked *CPR* to the control unit.
- Plug in the control unit and the press the *Power* key. The control unit will start and the *Power* light will illuminate.
- Allow up to a minute for full inflation. Place the resident on the mattress. Mattress can be inflated with resident on it, but will take longer, depending on their weight/size. **Note:** Keep the control unit on while the resident is on the mattress.
- Position the resident's head in the position that the resident will be in for the largest portion of the day. If the resident is lying flat, please use three (3) fingers for the hand check. If the resident will be sitting up for the majority of the day, please use two (2) fingers.
- Perform a hand check by placing fingers locally under the resident's buttocks between two cushions. The resident should not bottom out. If they do, increase the therapy control by one LED (light), until they no longer bottom out.
- The safety side bolsters cannot be inflated unless the *CPR* plug is installed. The plug is located on the hose assembly between the mattress and the control unit. **Caution:** The safety side bolsters should always be inflated when resident is unattended on the mattress and/or the mattress is in *Turn* mode.

Operation

⚠**Warning:** For important precautions, please see page two.

Caution: The resident's head should be positioned in the center of the top section of the mattress. When using the mattress system always ensure that the resident is positioned properly within the confines of the bed. Do not let any extremities protrude over the side or between the bed rails when the mattress is being used.

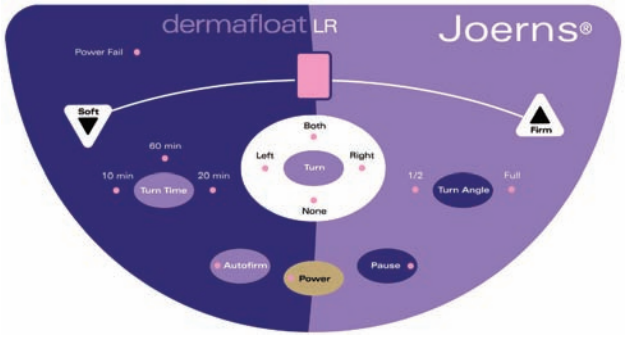


Figure 3

Resident Comfort Controls and Monitoring

Power
The *Power* button is used to turn the power on and off.

Autofirm
Autofirm mode provides maximum air inflation designed to assist both residents and caregivers during resident transfer and treatment. The unit will automatically return to the mode it was in prior to *Autofirm* (either *Turn* or *Static*) in approximately 15 minutes.

Pause
Use this feature to immediately stop all rotation and hold the current mattress position. The mattress will hold this position until this feature is turned off by pressing the *Pause* button a second time.

Lockout
This unit is designed to lock out all of the adjustment controls after the resident has been positioned correctly. Ten minutes after the last button has been pushed, push the *Power* light begins to flash indicating *Lockout* is enabled. This feature is to prevent any unauthorized changes to the resident settings. To unlock and make adjustments to the settings, press both up and down comfort arrows at the same time. Lockout mode will return after ten minutes.

Note: The unit is designed to lock out all the adjustment controls after the resident has been positioned correctly. In approximately ten minutes after the last button push the power on light begins to flash indicating *Lockout* is enabled.

Comfort Adjust
The *Comfort Adjust* function is located across the top of the control panel. The DermaFloat® LR can be customized to meet individual resident needs within a therapeutic window. Use the soft and firm keys to simultaneously increase or decrease pressure in the entire mattress in *Turn* and *Static* modes. The current setting is shown in the LED display in the center of the control panel.

Turn Mode
The *Turn* mode and sets the desired rotation type. The resident can be rotated to either side individually or to both sides in a continuous cycle.

Turn Time
Use the *Turn Time* feature to set the time cycle for the selected *Turn* mode. The DermaFloat LR can be placed into a 10, 20, or 60 minute cycle based on what is determined to be the optimal therapy setting for the individual resident.

Turn Angle
The *Turn Angle* feature allows for the desired turn angle to be selected. The mattress can make a half or full turn based on the optimal therapy for the resident.

Additional Features

⚠**Warning:** A possible fire hazard exists. This product is suitable for use with oxygen administering equipment of the nasal, mask, or half bed-length, tent-type only. To prevent personal injury or equipment damage, ensure that the oxygen tent does not extend below the mattress.

CPR

The hose connection at the control unit is marked *CPR*. Disconnect the hose from the control unit. Deflation times will vary based on resident weight and profile. To resume therapy, reattach the hose to the control unit.

Transport

To transport the resident in bed, turn the control unit off. Unplug the power cord from the outlet. Do not disconnect the hose connection at the control unit. The lower support cell will prevent the resident from bottoming out for up to 12 hours.

Power Failure

If power fails to the system an alarm will sound and the *Power Fail* LED will turn on until power is restored. When the power is restored, the control unit will return to the previous comfort adjust setting in *Static* mode. The *Turn* mode must be reselected manually.

Low Pressure Alarm

If the control unit senses a low pressure condition, such as a disconnected hose or therapy cell, then it will activate an audible alarm and will flash *"L"* and *"P"* on the display. Once the low pressure condition has been corrected, the alarm will cease and the control unit will return to normal operation.

Optional Accessories

- Additional therapy pads – available for purchase

Troubleshooting

Therapy Surface is Not Inflating

- Ensure the hose connection from the therapy mattress system (mattress) to the control unit is securely connected.
- Ensure that the control unit is plugged into an AC outlet.
- Ensure that the power is not on *Standby*. If on *Standby*, press the *Power* button.
- Ensure that all air cells are connected to the internal mattress manifold.

Unable to Change Therapy Mode or Adjust Comfort Control

Make sure the *Lockout* function is disabled. To disable, press the up and down *Comfort Adjust* arrows simultaneously.

Troubleshooting Modes of Operation

The DermaFloat® LR is designed to offer continuous bilateral or unilateral rotation.

Continuous bilateral rotation (Turning the resident to both left and right)

1. Ensure the mattress is fully inflated with the resident held centrally on the support surface and correctly supported. If necessary, make adjustments using the comfort control buttons.
2. Check to make sure the control panel is not locked out. If the *Power* LED is flashing, then press the *Comfort Control* arrows together to unlock the system.
3. Verify the system is in *Static* mode (*Turn* mode *None* LED will be lit).
4. Press the *Turn* mode button until the *Both* LED is lit.
5. Press the *Turn Angle* button until the desired target angle LED is illuminated.
6. Select the *Turn Cycle* time by pressing the *Turn Time* button until the desired time period is illuminated.

Caution: Before commencing rotation, it is important to ensure that all lines/feeds to the resident are free from obstruction and have sufficient length for the angle of turn required.

Caution: Observe the resident through at least one full rotation cycle to ensure resident safety and tolerance of angles selected.

Continuous Unilateral Rotation (Turning the resident to only the left or only the right)

1. Ensure the mattress is fully inflated with the resident held centrally on the support surface and correctly supported. If necessary, make adjustments using the comfort control buttons.
2. Ensure that the control unit is not locked. If the *Power* LED is flashing, then press the *Comfort Control* arrows together to unlock the system.
3. Verify the system is in *Static* mode (*Turn* mode *None* LED will be lit).
4. Press the *Turn* mode button until either the *Left* or *Right* LED is lit.
5. Press the *Turn Angle* button until the desired target angle LED is illuminated.
6. Select the *Turn Cycle* time by pressing the *Turn Time* button until the desired time period is illuminated.

Nursing Procedures

Recommended Linen:

Special linens are not necessary for the DermaFloat LR. There is no need for a bottom sheet as the therapy pad should be covering the therapy cells at all times. The resident should never be lying directly on the therapy cells. Upon the resident's specific needs, the following linens may be utilized:

- Draw or slide sheet to aid in positioning and to further minimize friction and shearing
- Incontinence barrier pad for residents incontinent of urine and/or stool, and residents with heavily draining wounds
- Add top sheet, blanket and/or bedspread as needed for resident comfort
- Keep the amount of padding between the resident and bed to a minimum for optimum performance

Changing the Therapy Pad

- Place the therapy pad over the therapy cells, fitting the corner of the cushions into the corner of the therapy pad. (Similar to a fitted sheet)
- Zip the therapy pad along each side of the mattress tub.

Resident Positioning and Comfort

General Repositioning

Residents should be turned and repositioned per individual turning schedule or per facility policy. It may be helpful to activate the *Autofirm* mode to achieve a firm surface for repositioning purposes. The unit will automatically return to the mode it was in prior to *Autofirm* in approximately 15 minutes or you can manually return to therapy mode once resident has been repositioned.

Unless counter indicated, it is desirable to keep the head of the bed in the low position to provide optimal pressure relief and minimize the risk of shearing injuries.

Elevating Resident into Sitting Position
The special properties of the DermaFloat® LR therapy pad reduce the opportunity for shear and friction that may occur when raising the head of other beds. As with any surface, sliding can be expected, therefore residents should be repositioned after elevation. The knee gatch or foot of the bed may be elevated first, to help prevent the resident from sliding when the head of the bed is elevated.

Incontinence

Moisture against the skin surface leads to maceration, or softening of the tissues. To prevent maceration, it is recommended that an incontinence barrier pad be used to absorb excess moisture.

In the event of incontinence or excess drainage on the therapy pad, wipe off the excess fluid from the bed surface.

Safety Information

Resident Migration

Specialty bed products are designed to reduce/ relieve pressure and the shearing/friction forces on the resident's skin. The risk of gradual movement and/or sinking into hazardous positions of entrapment and/or inadvertent bed exit may be increased due to the nature of these products.

Traction

With any traction or unstable fractures, maintain physician-directed angle of articulation and guard against risks of resident migration or inadvertent deflation of resident surface.

Skin Care

Monitor skin conditions regularly, particularly in areas where incontinence and drainage occur or collect, and consider adjunct or alternative therapies for high acuity residents. Early intervention may be essential to preventing serious skin breakdown.

Bed Height

To minimize the risks of falls or injury, the resident surface should always be in the lowest practical position when the resident is unattended. Make sure areas under and around the frame are clear of objects, persons and parts of body before adjusting height.

Cleaning

⚠**Warning:** Unplug the control unit from its power source. Failure to do so could result in personal injury or equipment damage.

⚠**Warning:** Do not expose the unit to excessive moisture that would allow for liquid pooling. Personal injury or equipment damage could occur.

Caution: Do not use harsh cleansers/detergents, such as scouring pads and heavy-duty grease removers, or solvents, such as acetone. Equipment damage could occur.

Control Unit

Wipe off dust. If necessary, clean the housing exterior with a disinfectant solution or a mild detergent and a damp cloth. Then wipe dry.

General Cleaning

If there is no visible soilage with possible body fluids, it is recommend that the mattress system be cleaned with a mild detergent and warm water. If disinfection is desired, a combination cleanser/disinfectant may be used as explained in "Disinfecting" area.

- Resident care equipment that does not come into contact with mucous membranes or non-contact skin, requires low-level disinfection. Wiping surfaces with a properly prepared detergent or disinfectant carries out low level disinfecting.
- Processing of dirty resident care equipment should take place in a designated area away from clean or sterile supplies and food preparation areas.
- Detergent/disinfectants should not be mixed with other germicides or detergents. Using the proper dilution insures the most effective killing power of the disinfectant.

- Wash hands often and well, including after removal of gloves.
- Resident care equipment that is used in isolation areas should be disinfected in accordance with all internal policies and procedures regarding such equipment.

Disinfecting

When there is visible soilage and between residents, it is recommend that the unit and mattress be disinfected with a tuberculocidal disinfectant. Disinfectant should be registered with the Environmental Protection Agency (EPA).

- Use rubber gloves and eye protection.
- Prepare detergent/disinfectant (registered by EPA as hospital disinfectant) solution according to instructions on label for correct use-dilution.
- With support surface deflated, thoroughly wipe down entire mattress, as air cells will lie flat. Be sure to reach all areas underneath and in-between air cells. Allow to air dry.
- If dust or other soiling has accumulated along air hoses, remove using swabs moistened with detergent/disinfectant as necessary. Allow all components to air dry. Wrap mattress in plastic and return to storage area.
- Thoroughly wipe down outside of control unit and allow to air dry. Cover with plastic and return to storage area
- Remove gloves and dispose; wash hands.

Therapy Pad

The therapy pad can be wiped down with a disinfectant solution or a mild detergent with a damp cloth. If heavily soiled, the therapy pad can be laundered in a washer and dryer with warm water (no more than 120º Fahrenheit). A non-bleach detergent should be used sparingly. Wipe dry or allow to air dry.

Steam Cleaning

Do not use any steam cleaning device on the unit. Excessive moisture can damage mechanisms in this unit.

Filter Cleaning

Check the air filter on the rear of the unit regularly for buildup of dust/dirt. If buildup is visible, turn off the control unit and disconnect the power cord from the wall outlet. Remove the filter by grasping the filter pulling outward. Replace with the second supplied filter. Ensure the replaced filter covers the entire filter region.

Hand-wash the removed filter in warm soapy water and allow to air dry. When dry, store the filter in a safe place for the next filter maintenance.

Maintenance

⚠**Warning:** Only facility-authorized personnel trained by Joerns Healthcare should perform preventative maintenance. Preventative maintenance performed by unauthorized personnel could result in personal injury or equipment damage.

Any maintenance done without Joerns's authorization will invalidate any warranties on this product.

Storage and Care

Note: Clean the DermaFloat LR as described in the previous section prior to storage.

Control Unit

The power cord may be wrapped around the unit for convenience. Wrap the unit in a plastic bag for dust resistance, then store the unit in an area appropriate for an electronic medical device.

Support Surface

Gently roll up the support surface, expelling any residual air, for temporary storage. The mattress should be wrapped in plastic and/or a clean bag for storage.

System Specifications

Standard Features

Weight
Control unit: ..... 14 lbs (6 Kg)
Mattress:..... 22 lbs (11 Kg)
Maximum weight capacity*:..... 350 lbs (159 Kg)

Dimensions
Control unit:
5.75" (15 cm) W x 10.5" (27 cm) H x 12" (30 cm) D

Mattress:
35" (89cm) W x 80" (203cm) L x 10" (25cm) D

Electrical Specifications

USA
120V AC, 60 Hz, 0.6A

* *Mattress weight capacity only; total weight must not exceed bed frame manufacturers' specified load capacity.*

Environmental Conditions

Operating Conditions
Ambient Temperature: +10ºC to +40ºC
Relative Humidity: 30% to 75% Non-Condensing

Storage and Shipping Conditions
Ambient Temperature: +10ºC to +40ºC
Relative Humidity: 10% to 100%

Agency Approvals

- UL Classified Medical Equipment No. 60601.1
- UL 60601-1 Can/CSA C22.2

UL Classification refers to the power unit only, not the complete mattress replacement system.

Call for Assistance

If you have any questions or require service on a Joerns product, please call Joerns Healthcare at 800.826.0270.

Notes:

Notes:

Joerns Healthcare Warranty Program

for Joerns® DermaFloat® LR

Joerns Healthcare, warrants the DermaFloat LR mattress to be sold free from defects in workmanship and materials, under normal and proper use, for a period of two (2) years on the mattress, and one (1) year on the cover and electromechanical mattress components (compressors, valves, printed circuit boards, hoses, and couplers). Damages arising from improper use will not be covered by this warranty.

Improper use is defined as, but not limited to those caused by:

- Burns
- Use of improper chemical agents
- Needle punctures, cuts, or abrasions
- Excessive loads
- Staining
- Negligent or excessive usage
- Improper maintenance, handling and/or cleaning
- Failure to use in the manner indicated in the DermaFloat LR user manual

Any modification, repair or alteration done to the DermaFloat LR that was not authorized in writing by Joerns will void this warranty.

Damage caused by use in unsuitable environmental conditions, abuse or failure to maintain the product in accordance with user and service instructions is not covered.

This warranty is extended to the original purchaser of the equipment.

Parts

Joerns's DermaFloat LR contains various parts that wear from normal use. Joerns' obligation under this warranty is limited to supplying replacement parts, servicing or replacing, at its option, any product which is found by Joerns to be defective. When requested by Joerns, parts must be returned for inspection at the customer's expense. Credit will be issued only after inspection.

Service

Most service requests can be handled by the facility Maintenance Department with assistance from the Joerns Product Service Department.

Most parts requested can be shipped next day air at the customer's expense.

Should a technician be required, one will be provided by Joerns, at our discretion. Only the Joerns Product Service Department can dispatch authorized technicians.

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