Joerns

User-Service Manual
Joerns® Support Surfaces
DermaFloat® APM

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

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 head panel, foot panel, 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 head panel, foot panel or bed or side rails which present a risk of harm to residents.

⚠**Warning:** An optimal bed system assessment should be conducted on each resident by a qualified clinician or medical provider to ensure maximum safety of the resident. The assessment should be conducted within the context of, and in compliance with, the state and federal guidelines related to the use of restraints and bed system entrapment guidance, including the *Clinical Guidance for the Assessment and Implementation of Side Rails* published by the Hospital Bed Safety Workgroup of the U.S. Food and Drug Administration. Further information can be obtained at the following web address: http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/GeneralHospitalDevicesandSupplies/HospitalBeds/default.htm.

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® APM, 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 spill 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 essential 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 our company 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 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 is 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 at home), long-term care facilities have particular exposure since serious entrapment events typically involve frail, elderly or dementia patients.

For More Information

To learn more about compliance options with Joerns products, visit our website at www.joerns.com, or contact our Customer Care reps 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: http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/GeneralHospitalDevicesandSupplies/HospitalBeds/default.htm.

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Introduction

The DermaFloat® APM, provided by Joerns Healthcare, is a unique therapy system that provides pressure redistribution by alternating pressure between adjacent (A-B) air cells. The pressure in the therapy cells automatically alternates on a regular basis to maximize wound healing.

⚠**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 head panel, foot panel, 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 APM mattress replacement system is suitable for both the treatment of existing pressure ulcers Stage I through Stage IV, as well as for those who have been assessed at risk from the complications of immobility. The DermaFloat APM 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 APM meets the comfort and clinical requirements of your residents up to 350 lbs.

We have ensured that the DermaFloat APM addresses the four key areas in the treatment of compromised skin: pressure redistribution, 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 APM, 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® APM 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 redistribution 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 APM is not recommended for use by residents with unstable spinal fractures. Advice should be obtained from the appropriate physician before using the DermaFloat APM system for these residents.

Pressure Redistribution

Pressure Ulcers	Rehabilitation
Neurology	Dermatology
Burns	Amputations

Pain Management

AIDS	Arthritis
Oncology	

The DermaFloat APM provides pressure redistribution against bony prominences and provides a soft, gentle therapy surface on which to lie. For residents experiencing severe pain and discomfort due to pressure and/or positioning limitations, consider the DermaFloat APM as an adjunct to pain management interventions.

Note: Pressure redistribution and pain management are conditions and diagnoses for which the DermaFloat APM 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 APM for these residents should be considered on an individual basis and discussed with the attending physician.

Features

The DermaFloat APM is comprised of two components:
- Therapy control unit
- Therapy mattress system

Therapy Control Unit Features

- Three modes of operation – *Autofirm*, *Therapy* (static) and *Alternate*
- *Autofirm* mode provides maximum air inflation designed to assist both residents and caregivers during resident transfer and treatment.
- *Therapy* mode is the standard low air loss therapy.
- *Alternate* mode inflates and deflates in an A-B-A-B pattern; that ensures the resident is always supported.
- Choice of three alternating cycle times: 5, 10 and 15 minutes
- Five 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.
- Automatic panel lock out to avoid unwanted or accidental adjustments.
- Compact lightweight and portable control unit is quiet, robust and powerful.
- Crisp, easy to read graphics for intuitive set up and therapy control.
- Specially designed enclosure for low noise and durability.
- Integrated swing-out hanging brackets for fixing to most bed types.
- Suitable for special needs residents in specific clinical specialties.

Therapy Mattress System Features

- Twenty individual therapy cells help to evenly distribute the resident's weight and maximize pressure redistribution. Modular cell design mattress for ease of cleaning, re-assembly and cost effective service.
- Specially designed CairLock feature allows mattress to remain inflated without any power up to 12 hours.
- 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 (lower safety mattress not required).

- Lower mattress therapy enclosure is constructed from 100% heavy weight 1680 Denier nylon with 1.5 oz Urethane coating and incorporates bed attachment loops for stability.
- Maximum weight capacity of 350 lbs.
- Anti-kink, easy clean air supply hose set.
- Quick CPR deflation.

Therapy Pads

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

Key features and benefits:
- Treated with a highly effective bacteriostat agent to inhibit the growth of bacteria and fungi.
- 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.

Optional Accessories

- Additional therapy pads – available for purchase
- Quick inflation pump

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

Figure 1

Most hardware stores sell circuit testers (Figure 1) that can be used to test an outlet for proper grounding. The tester plugs into an outlet and by observing the indicator lights one 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.

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

Setup

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

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

- Remove the existing mattress from the bed.
- Unroll the mattress with the hose connection at the foot end of the bed and the therapy cells facing up. Secure the ten (10) 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 hoses to the control unit.
- Plug in the control unit and the yellow *Standby* light will illuminate. Press the *Power* button. The control unit will start and the green light will illuminate. Keep the control unit ON while the resident is on the mattress.
- Fully inflate the mattress by selecting *Autofirm*. When the mattress is fully inflated, select the *Therapy* mode, and place the resident on the mattress.

- Select the appropriate *Comfort Adjust* level to prevent bottoming out (i.e., providing greater than one inch of air between the resident's sacral area/buttocks and the lower safety mattress) as outlined below:
  1. Begin by placing the head of the bed in the appropriate position based on the resident's clinical condition.
  2. Select the highest or most firm *Comfort Adjust* setting.
  3. Hand Check: Place a hand with three (3) fingers (if head of bed at 30° or higher) or four (4) fingers (if head of bed lower than 30°) stacked vertically beneath the cells of the mattress and above the safety mattress directly between the lowest point of the resident's sacral area/buttocks. The smallest finger should be resting on the safety mattress.
  4. Sequentially reduce the *Comfort Adjust* setting to the firmness level where the height of the three (3) or four (4) fingers can slide with minimal resistance between the resident's sacral area/buttocks and the lower safety mattress. This is the proper *Comfort Adjust* setting for the resident to assure proper inflation of the air cells and prevent bottoming out of the mattress.
  5. Document the resident's *Comfort Adjust* setting for future reference, and re-evaluate with the Hand Check as the resident's condition warrants.
- The CairRails risk management side air bolsters can be inflated or deflated as required. Locate the turn valve on the hose assembly between the mattress and the control unit. Next, inflate/deflate the CairRails by moving the turn valve to the up (inflate) or down (deflate) position.

Note: When inflating or deflating CairRails it is recommended that the support surface be in *Autofirm* mode.

Operation

⚠**Warning:** For important precautions, 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.

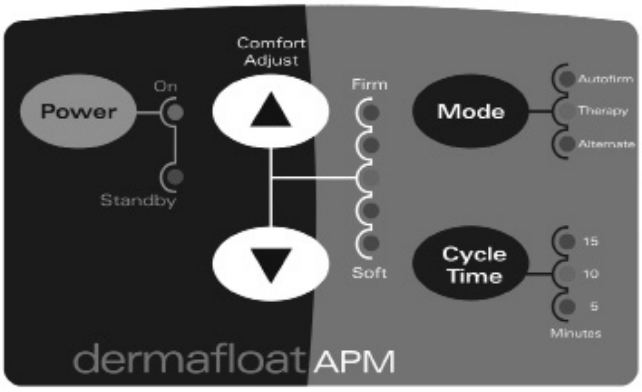

Figure 2

Resident Comfort Controls and Monitoring (Figure 2)

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

Standby
The unit starts up in *Standby*. Press the *Power* button to inflate the mattress. When the *Standby* light is on, it may also indicate that there has been a power interruption and the therapy control unit is ready to be turned back on. Press the *Power* button and reset the preferred mode of therapy and comfort level.

Modes

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 *Therapy* or *Alternate*) in approximately 10 minutes.

Therapy Modes: Therapy and Alternating
- *Therapy*: The unit starts in the *Therapy* mode, which is the standard low air loss therapy.
- *Alternate*: The air cylinders are inflated and deflated in an A-B-A-B pattern; that ensures the resident is always supported.

Cycle Times
The *Cycle Time* function is located on the bottom right of the control panel. Select the frequency of the alternation of the therapy cells in 5, 10 or 15 minutes cycles. For more aggressive therapy, choose the five minute option.

Comfort Adjust
The *Comfort Adjust* function is located in the center of the control panel. The DermaFloat® APM can be customized to meet individual resident needs within a therapeutic window. See “Setup” section for more information. This function will not work in *Autofirm* mode.

Lockout
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 to disengage the *Lockout* function. The *Lockout* function will return in approximately three minutes.

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

⚠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

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 (Figure 3).

CairLock

The mattress system comes equipped with our specially designed CairLock therapy connectors to provide greater reliability and comfort. In the event of a power failure the connectors can be interlocked together to ensure full-continued therapy for 12 hours. Disconnect the two hoses from the control unit and interlock the two ends by pressing them together (Figures 4 and 5).

Transport

To transport the resident in bed, set mode to *Therapy* and turn the control unit off. Unplug the power cord from the outlet. Transport can be done with the unit plugged in to the mattress or by using the CairLock feature.

Figure 3

Figure 4

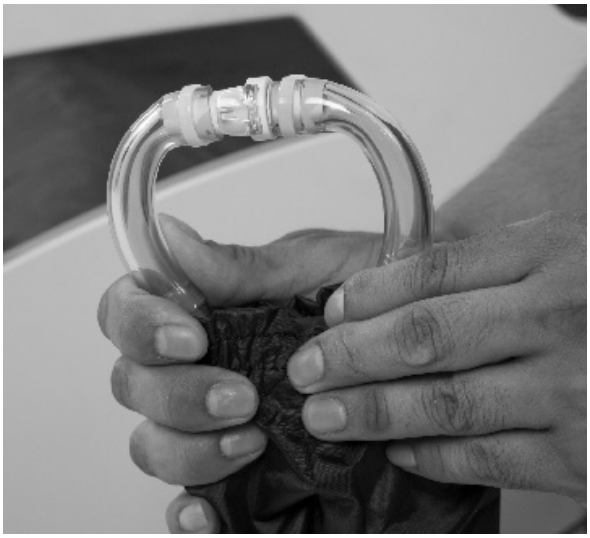

Figure 5

Power Failure

In the event of a power failure, if power is restored within approximately one hour, the control unit will return to previous settings. If the duration of a power failure extends beyond an hour, the control unit will default to *Standby* mode when power is restored. Reset the preferred mode and comfort level as described in the "Operation" section. In the event of a power failure, cells should remain inflated for up to 12 hours. In case of an extended power failure, transfer the resident to a hospital mattress or other surface. In an extended power fail and if the mattress has been in alternate mode, we recommend equalization of the air cell pressure by disconnecting the hoses from the control unit and using the *CairLock* mode.

CairRails

Integrated CairRails risk management air bolsters offer a bilateral side bolster solution designed to address healthcare's growing concerns of liability in relation to resident falls and entrapment. CairRails are being recognized by some of the nation's leading healthcare systems for improving their resident safety and risk management programs.

CairRails are recommended for residents requiring additional support during resident care and transfer. CairRails can help reduce costs while ensuring optimal clinical outcomes and increasing resident safety.

Note: When inflating CairRails, it is recommended that the control unit be in *Autofirm* mode to achieve optimal results.

Features and Benefits
- A bilateral side air bolster solution that can enhance the facility's entrapment/risk management program.
- Easy to engage *Ready Valve* for instant inflation and deflation.
- Transfer friendly-deflate for ease of assisted transfer or when bolsters are not required.
- Unique contoured design allows ease of ingress/egress, while providing additional protection and comfort and supporting resident compliance.
- Designed to fit on most key Joerns therapeutic support surfaces.
- Promotes maximum independence by allowing caregiver to decide when added protection is required.

Cair Rails: Inflation/Deflation
- Set the control unit to *Autofirm* mode or the highest comfort control setting to achieve quick inflation.
- Locate the *Ready Valve* by unsnapping the flap on the hose set.
- Turn the *Ready Valve* to inflate or deflate as desired.
- Return the control unit to the desired settings and snap the open flap closed.

Note: CairRails are meant to provide a documentable and functional intervention for the risk management issues of falls and entrapment, but in no way guarantee the prevention of falls or entrapment occurrences.

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.

Nursing Procedures

Recommended Linen:

Special linens are not necessary for the DermaFloat® APM. 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. Based 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
- Top sheet, blanket and/or bedspread as needed for resident comfort
- Minimal amount of padding between the resident and bed 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).
- Attach the therapy pad to the mattress tub using the straps provided.

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 10 minutes or it can manually be returned to therapy mode once resident has been repositioned.

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

Elevating Resident into Sitting Position
The special properties of the DermaFloat® APM, 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, we recommend the use of an incontinence barrier pad to absorb the excess moisture.

In the event of incontinence or excess drainage on the therapy pad, excess fluid should be wiped off the bed surface.

Safety Information

Resident Migration

Specialty bed products are designed to redistribute 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, we 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" section.

- Resident care equipment that does not come in 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 ensures 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, we 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.

Maintenance

⚠**Warning:** Only facility-authorized personnel trained by Joerns 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

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

Note: Clean the DermaFloat® APM 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

Weight:

Control Unit:..... 7 lbs (3 kg)
Mattress:..... 16 lbs (7.3 kg)
Maximum Weight Capacity*: ..... 350 lbs (159 kg)

Dimensions:

Control Unit
7.5” (19 cm) W x 12.25” (31 cm) H x 5.5” (14 cm) D

Mattress:
35” (89 cm) W x 80” (203 cm) L x 8” (20 cm) D

Electrical Specifications:

USA
120V AC, 60 Hz, 0.6A

Environmental Conditions:

Operating Conditions:
Ambient temperature: +10°C to +40°C
Relative humidity: Non-condensing

Storage And Shipping Conditions:
Ambient temperature: 10ºC to +40ºC
Relative humidity: Non-condensing

Agency Approvals:

UL listed Medical Equipment, UL 60601-1

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.

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

Notes

Joerns

Joerns Healthcare Warranty Program

for all Joerns® Joerns® Support Surfaces DermaFloat® APM

Joerns Healthcare warrants the DermaFloat® APM 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 APM user manual

Any modification, repair or alteration done to the DermaFloat APM 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' DermaFloat APM 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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