

# USER MANUAL

**remūv®**

by

 **CEGA** INNOVATIONS®

# Welcome

By reducing the patient weight up to 90%, an air lateral transfer mat can make transferring a patient from one bed to another safer for patients and staff.

The REMUV™ (SPU) Air Mat is part of a single-patient use safe patient handling air system used to laterally transfer or reposition patients in a hospital or other healthcare setting.

Sold as MV800 (36" wide), each REMUV™ (SPU) Air Lateral Transfer Mat comes packaged with a Skin Integrity Pad® (SIP). The Skin Integrity Pad® (SIP) is a large, breathable single-use underpad that is placed under the patient and on top of the REMUV® Air Mat. The Skin Integrity Pad® may also stay beneath the patient after removal of the REMUV™ Air Mat.

All air lateral transfer mats need a continuous supply of air while in use. CEGA® offers an Air Supply (MV600), or air supply units/pumps from other manufacturers may be suitable for use with the REMUV™ Air Mat.

Air supply hose adapters are available for use with air supply units from other air supply manufacturers.

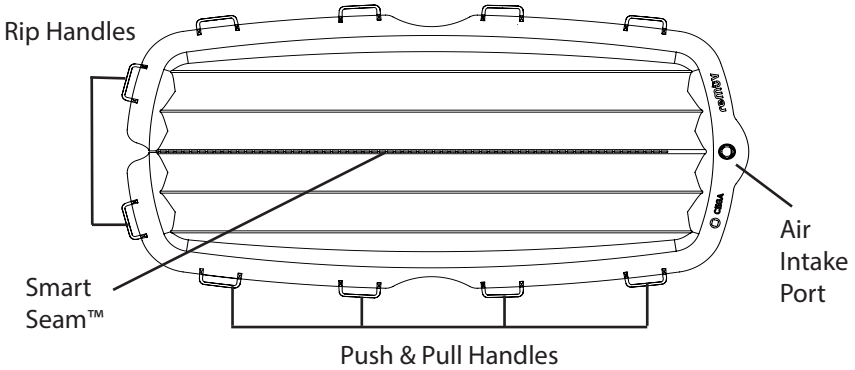
CEGA® also offers various means to store the equipment. In order of complexity and investment: Hook and Strap (MV673), Wall Hanger Kit (MV673WK), Compact Modular Cart (MV511) or the original, premium Storage Cart (MV510).

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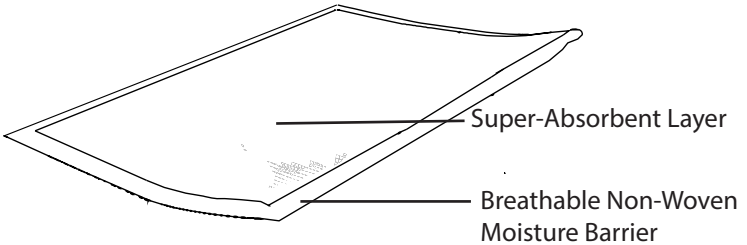
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# The remūV Air Lateral Transfer System

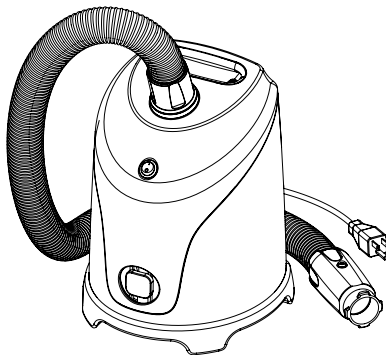
## REMUUV™ Air Mat



## Skin Integrity Pad®



## CEGA® Air Supply (Sold Separately)



# Instructions for Use

## Prior to Use

1. Inspect the REMUV™ Air Mat for any visible damage.
2. Inspect the power cord, air supply unit, and hose for damage.  
ELECTRICAL WARNING: Do not use any air supply unit if the power cord, air supply body, or hose is damaged.
3. Only transfer patients across level surfaces.
4. Do not use the REMUV™ Air Mat to hoist or carry patients. Only use the REMUV™ Air Mat for lateral patient transfers from one locked bed to another.

WARNING: The REMUV™ is not for use with ceiling hoists.

5. Do not leave the patient unattended on an inflated device.
6. Not for use in the presence of flammable anesthetics.
7. At least two caregivers are required.
8. Not for use with lumbar, cervical, or thoracic cases deemed unstable without medical clearance from physician.

## ELECTRICAL WARNINGS:

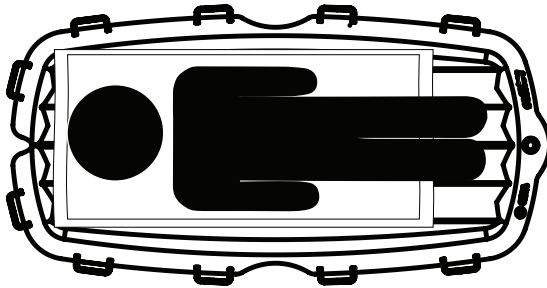
1. Do not use the air supply in damp conditions.
2. Do not use the air supply if it is wet.
3. Wipe down the air supply with any facility approved cleaning agent only after unplugging the product from the electrical outlet.
4. Never use the air supply if any part of the electrical cord or plug is damaged. Never attempt repairs on your own. See pages 12-14 for warranty and order information.

NOTE: REFERENCE AIR SUPPLY USER MANUAL FOR OPERATING INSTRUCTIONS PRIOR TO USE.

## Instructions for Use

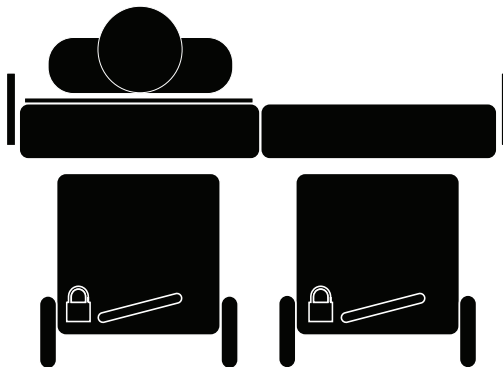
1. Place the printed side of the REMUV™ Air Mat facing up with the air intake port at the foot of the bed.
2. Place the Skin Integrity Pad® on top of the REMUV™ Air Mat. The printed side of the Skin Integrity Pad® faces down. Smooth out any creases or wrinkles.
3. Center the patient on the REMUV™ Air Mat with his or her head positioned in the area indicated (Fig 5.1).

Fig 5.1



4. Place the beds together and level both beds before the lateral transfer (Fig 5.2).
5. Lock the beds and raise the outer bed rails (if available) before inflation (Fig 5.2).
6. Ensure no parts of the REMUV™ Air Mat or the Skin Integrity Pad® are caught between the beds or are trapped in the bed rails before inflation.

Fig 5.2

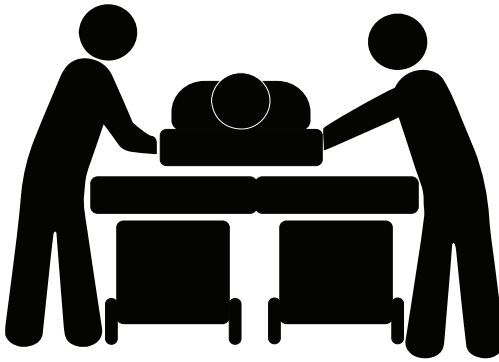


## Instructions for Use

7. Connect the air supply hose to the REMUV™ Air Mat by inserting the hose into the air intake port on the REMUV™ Air Mat. Turn clockwise (1/8 turn) to lock the hose in the air intake port.
8. Plug the air supply into a 120VAC power outlet.
9. Each caregiver on opposite sides of the REMUV™ Air Mat should grip the green handles and lift up slightly to cradle the patient during inflation (Fig 6.1).

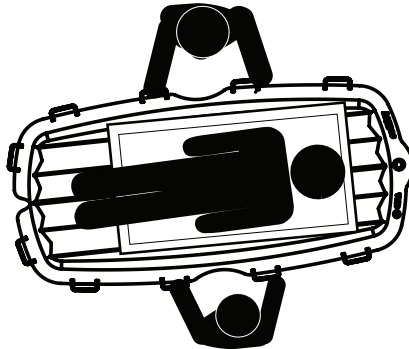
CAUTION: Monitor the patient at all times while using the REMUV™.

Fig 6.1



10. Ensure the REMUV™ Air Mat fully inflates before moving the patient.
11. Use a pusher and a puller to move the patient, initiating the push near the head of the patient (Fig 6.2).
12. Staff should use the green push and pull handles at all times to control the REMUV™ Air Mat and the patient.

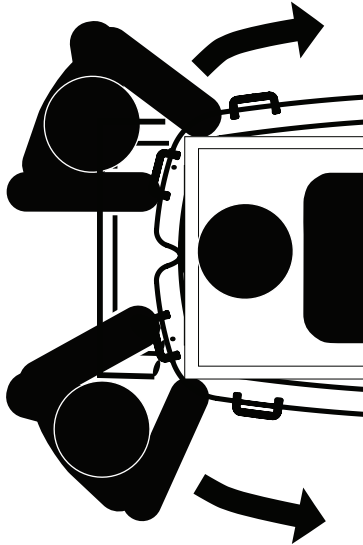
Fig. 6.2



## Instructions for Use

- Center the patient on the second bed surface before deflating the REMUV™ Air Mat.
- Turn the air supply off to deflate. (For quick deflation, remove the air hose from the REMUV™ air intake port.)
- Disconnect the hose and return it to the cart (if available).
- To remove the Air Mat from beneath the patient, separate the Smart Seam™ by pulling the orange handles out and down from the patient's head with consistent, even force, as indicated by the orange arrow markings (Fig 7.1).

Fig 7.1



**CAUTION:** Fully deflate the REMUV™ Air Mat before step 16.

**CAUTION:** Lock the bed and raise the outer bed rails when the deflated REMUV™ is beneath the patient.



## Instructions for Use

17. Pull the REMUV™ Air Mat from beneath the patient, working toward the patient's feet (Fig 8.1 & Fig. 8.2).

**CAUTION:** Ensure any exposed skin is in contact with the Skin Integrity Pad® during removal of the REMUV™ Air Mat. (If a Skin Integrity Pad® is unavailable, a draw sheet or linen may be used in its place to protect exposed skin.)

The Skin Integrity Pad® will stay in place beneath the patient.

Fig 8.1

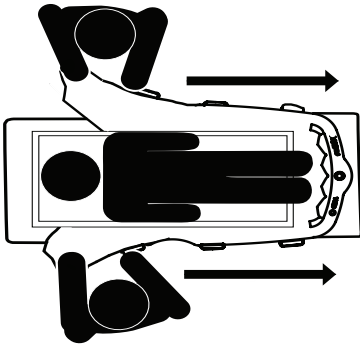
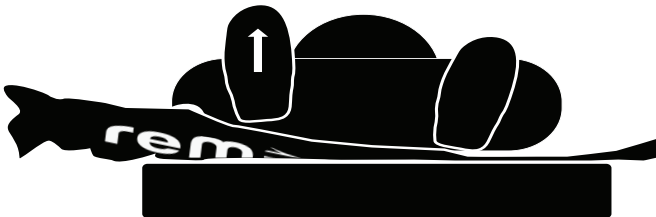


Fig 8.2



18. Lift the patient's feet to fully remove the REMUV™ Air Mat (Fig 8.3). **DO NOT** drag the REMUV™ Air Mat from underneath the patient's heels and feet.

Fig 8.3



19. Once the Smart Seam™ is broken, dispose of the REMUV™ Air Mat. (Not for use or re-use after the Smart Seam™ is separated.)
20. Unplug the air supply from the power outlet and secure the power cord to avoid tripping hazard.

## **Specific Use in the Operating Room**

When the REMUV™ Air Mat or Air Transfer System is used in an operating room setting, ALWAYS TUCK and TAPE the edges of the REMUV™ Air Mat and Skin Integrity Pad® under the OR table pads prior to the start of the surgery and, when indicated by hospital protocol for positioning patients, tape the REMUV™ Air Mat and Skin Integrity Pad® to the OR table.

Following the completion of the surgical case and prior to inflating the REMUV™ Air Mat, ensure the REMUV™ Air Mat and Skin Integrity Pad® are released from the OR table.

Follow standard REMUV™ Instructions for Use to safely transfer the patient.

### **TRENDELENBURG / REVERSE TRENDELENBURG POSITION; LATERAL TILT**

In addition to the Specific Use instructions for an operating room setting, follow hospital protocol for patient positioning with regard to the use of an anti-slide device when positioning the patient into Trendelenburg, Reverse Trendelenburg, or lateral tilt positions.

When indicated by hospital protocol, a padded footboard or plate should be used for the reverse Trendelenburg patient position. If the patient is placed in a lateral tilt position, ensure the patient is safely secured in accordance with hospital protocol.

# Handling & Care

## REMOV™ Air Mat

1. Store the REMOV™ Air Mat and Skin Integrity Pad® in its polybag until use at 10-40 °C, relative humidity 30% to 75%. Use the designated storage area on the storage cart if available.
2. The REMOV™ Air Mat is single-patient use. After separating the Smart Seam™, dispose of the REMOV™ Air Mat, as indicated by your facility's policies for patient disposables.
3. The REMOV™ Air Mat cannot be laundered or reprocessed.
4. To ensure patient and staff safety, do not attempt to use the REMOV™ Air Mat after separating the Smart Seam™.
5. The REMOV™ Air Mat may be used for more than one bed-to-bed transfer if the Smart Seam™ has not been broken.
6. Do not use the REMOV™ Air Mat or the Skin Integrity Pad® on more than one patient.
7. When indicated by hospital policy, the REMOV™ can be wiped down and cleaned with hospital-grade disinfectants, such as CaviWipes®, chlorhexidine, bleach, 3M Quat, or equivalent quaternary ammonium compounds. For best results, follow the disinfectant manufacturer's recommended instructions for use.

## Skin Integrity Pad®

Dispose of the Skin Integrity Pad® after each use pursuant to your facility's policies regarding disposable products.

## Air Supply

Follow all instructions provided with the CEGA® Air Supply (MV600) including but not limited to:

1. Check the air supply hose for damage before use. The REMOV™ Air Mat may not properly inflate if the hose is damaged.
2. See manufacturer's guidance provided with the air supply for replacing the air supply filter.

## Storage Devices

Failure to assemble the CEGA® Storage Cart (MV510), Compact Modular Cart (MV511), Hook & Strap (MV673), or Wall Hanger (MV673WK) as instructed or use these products in any way other than those indicated may result in damage to the equipment and injury to the user.

# Technical Information

## REMUUV™ Air Mat

Nylon/PVC Welded Fabric  
88" x 36" (inflated dimensions)  
Radiolucent  
Not made with natural rubber latex  
Single-Patient Use  
Weight Limit: 1000 lbs./454 kg.

## Skin Integrity Pad®

Super-Absorbent Wick+Lock™ Technology  
Polyethylene/Non-woven Paper Pulp, Super-Absorbent Polymer  
59" x 35.5"  
Radiolucent  
Not made with natural rubber latex

## Air Delivery System (Optional & Sold Separately)

### Air Supply

Power Input:	120V~, 60Hz, 10A
Power Output:	1100-1200 Watts
Air Filter:	Standard 2 Micron Sock type (HEPA available)
Air Flow Output:	3psi, 80 cfm
Warmed Air:	Less than 105 F after 10 minutes use at room temperature
Noise level:	Less than 80 dB (measured at 1 meter)

## Storage Devices (Optional & Sold Separately)

**Storage Cart** (MV510)  
Height: 35", Width: 20", Depth: 20"

**Compact Modular Cart** (MV511)  
Height: 22", Width: 16", Depth 16" (approximate)

**Air Supply Hook and Strap** (MV673)  
Height: 11", Width: 3", Depth: 2" (approximate)

**Air Supply Wall Hanger Kit** (MV673WK)  
Height: 13", Width: 7", Depth 2" (approximate)

# Warranty Terms & Conditions

CEGA Innovations®, Inc., hereafter “CEGA®”, warrants to the original purchaser that the Air Supply System (and parts thereof) will be free of defects in workmanship or material for a period of one year from the date of delivery. Should any failure to conform to this warranty appear, CEGA® shall upon notification within such time period, correct such non-conformity, at its option, either by repairing any defective part or parts, or by replacing a part or parts with an equivalent or current version of the owner’s model, provided that the equipment is returned to CEGA®. In all cases freight both ways will be at the expense of the customer. Equipment shall not be returned without advance notice to and consent of CEGA®.

Correction of non-conformities or defects in the manner and for the period of time provided above shall constitute fulfillment of all liabilities of CEGA® to the customer, whether based on contract, negligence or otherwise with respect to, or arising out of, such equipment. The remedies set forth herein are exclusive, and the total liability of CEGA® with respect to this sale or anything done in connection therewith, whether in contract, in tort, under any warranty, or otherwise, and shall not, except as expressly provided herein, exceed the price of the equipment or part on which such liability is based.

## **This warranty is subject to the following exceptions and limitations:**

This warranty does not cover repairs due to normal wear and tear, accident, neglect, misuse or abuse, incorrect installation or use other than as described in the User Guide. Breaks in hoses and cables are not covered. This warranty is rendered void if the motor number plate is removed or defaced or if repairs are made or attempted by persons not authorized by CEGA®.

Even if any covered products are beyond the warranty period, we suggest you contact CEGA® or your supplier for repair and replacement information.

CEGA® assumes no liability for malfunction or damage to any unit or components thereof, caused by the use of consumables other than those manufactured, provided, or recommended by CEGA®.

CEGA® assumes no liability for the malfunction or damage to any unit or components thereof, due to the use of reagents, chemicals, or combinations thereof, not recommended by CEGA®, or as otherwise recommended in the User Guide.

# Warranty Terms & Conditions

**This warranty is subject to the following exceptions and limitations:**

CEGA® reserves the right to make changes in design of its air system lines without obligation to incorporate such changes into previously manufactured items offered by CEGA®.

Notwithstanding any of the foregoing, a 90-day limited warranty is offered by CEGA® for the REMUV™ Air Mat and Skin Integrity Pad®. In the event a REMUV™ Air Mat or Skin Integrity Pad® fails due to a manufacturing or workmanship defect and the purchaser contacts CEGA® within 90-days of the original purchase date and provides documentation of the defect within the same period, CEGA® shall replace the REMUV™ Air Mat and Skin Integrity Pad®.

No other warranty, express or implied, is offered by CEGA® for the REMUV™ Air Mat, Air Supply, or Air Delivery System and any and all other warranties, express or implied, are specifically excluded.

UNLESS OTHERWISE SPECIFICALLY INCLUDED IN THIS OR ANY PRIOR AGREEMENT, TERMS AND CONDITIONS, AND/OR WARRANTY, CEGA® SHALL NOT BE RESPONSIBLE FOR ANY ACTUAL DIRECT, INDIRECT, CONSEQUENTIAL, SPECIAL, INCIDENTAL, EXEMPLARY OR PUNITIVE DAMAGES OF ANY KIND OR NATURE, INCLUDING LOST PROFITS AND LOST BUSINESS REVENUE, ARISING OUT OF OR RELATED TO THE USE OF PRODUCTS OFFERED OR SOLD BY CEGA®, REGARDLESS OF WHETHER SUCH LIABILITY IS ASSERTED ON THE BASIS OF BREACH OF CONTRACT (EVEN IF A FUNDAMENTAL BREACH), BREACH OF WARRANTY (EXPRESS OR IMPLIED), TORT (INCLUDING THE POSSIBILITY OF NEGLIGENCE, MISREPRESENTATION OR STRICT LIABILITY), OR OTHERWISE.

**Purchaser may contact CEGA® by emailing [sales@cegaco.com](mailto:sales@cegaco.com) for warranty service, assistance, most up to date instructions for use, or further instructions for use of the REMUV™ Product Line or air system products.**

# Patent and Trademark

In accordance with Section 287(a) of Title 35 of the United States Code, the reader is hereby placed on notice of CEGA Innovations's rights in the United States Patents and Patents Pending for the MUV<sup>®</sup>, the REMUV<sup>™</sup> Air Mat, and the REMUV<sup>™</sup> LP.

CEGA Innovations<sup>®</sup>, Inc., CEGA Innovations<sup>®</sup>, CEGA<sup>®</sup>, Skin Integrity Pad<sup>®</sup>, MUV<sup>™</sup>, MUV<sup>™</sup> System (system), MUV<sup>™</sup> Board (board), MUV<sup>™</sup> Sheet (sheet), Mobile MUV<sup>™</sup> (cart), MUV<sup>™</sup> Mount (full wall mount), MUV<sup>™</sup> Mobile Solution (mobile cart), MUV<sup>®</sup> SlimLine<sup>™</sup>, REMUV<sup>™</sup>, Smart Release<sup>™</sup>, Smart Release Seam<sup>™</sup>, Smart Seam<sup>™</sup>, and HALO<sup>™</sup> Logo(s) are trademarks, service marks, and/or trade dress of CEGA Innovations<sup>®</sup>, Inc. (sometimes "CEGA Innovations<sup>®</sup>", CEGA<sup>®</sup>, or the "Company"). One or more of the foregoing may be registered marks.

## Reorder Information

### **REMU<sup>™</sup> Air Mat:**

Order #: MV800

### **REMU<sup>™</sup> LP Air Mat:**

Order #: MV820

### **Skin Integrity Pad<sup>®</sup>**

ORDER #: MV261 (as sold separately)

### **Air Supply**

ORDER #: MV600

### **Cart**

ORDER #: MV510

### **Air Supply Hose**

ORDER #: MV660

### **Air Supply Power Cord**

ORDER #: MV600-C15

### **Air Supply Air Filter**

ORDER #: MV600F

### **Air Supply HEPA Filter**

ORDER #: MV600HF

### **Air Supply Hose Adapter**

ORDER #: MV670

### **Contact:**

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