

**BRIDGE HEALTHCARE  
BY *PELSTAR***

**INSTRUCTION GUIDE**

**for**

***BRIDGEAIR***  <sup>TM</sup>

**Single Patient Use  
Air Transfer Mattresses**



**PELSTAR, LLC 9500 West 55th St. McCook, IL 60525-7110 USA**

**[www.bridgehcusa.com](http://www.bridgehcusa.com)**

Pelstar LLC PS34SPUL / PS34SPULVS

Pelstar LLC PS39SPUL / PS39SPULVS

Pelstar LLC PS50SPUL / PS50SPULVS

Pelstar LLC PS34SPUS

Pelstar LLC PS39SPUS

Pelstar LLC PS37SPUO

Pelstar LLC PS40SPULT / PS40SPULTS

Pelstar LLC PS50SPULT

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## **Specifications**

**Mattress Style:** Single Patient Use (SPU)

**Weight Capacity:** 1200 lb/ 545kg

### **Product Dimensions (W x L):**

PS34SPUL / PS34SPULVS: 34" x 78" (864mm x 1981mm)

PS39SPUL / PS39SPULVS: 39" x 78" (991mm x 1981mm)

PS50SPUL / PS50SPULVS: 50" x 78" (1270mm x 1981mm)

PS34SPUS: 34" x 48" (864mm x 1219mm)

PS39SPUS: 39" x 48" (991mm x 1219mm)

PS37SPUO: 37" x 56" (940mm x 1422mm)

PS40SPULT: 40" x 80" (1016mm x 2032mm) / PS40SPULTS: 40" x 49" (1016mm x 1244mm)

PS50SPULT: 50" x 80" (1270mm x 2032mm)

**Composition:** No Latex is utilized. Breathable, Vapor Permeable Nylon construction. Air Inlet Snaps are plastic for compatibility in the MRI (mattress only - pump cannot go into MRI)

**Operating temperatures:** 59°F ~ 95°F (15°C ~ 35°C)

**Storage temperatures:** 41°F ~ 140°F (5°C~60°C)

## **Cautions and Warnings**

### **Intended Use**

The Bridge Healthcare Single Patient Use Air Transfer Mattress is intended to be used in a professional medical environment by trained medical staff to laterally transfer patients. Do not modify the product or use it for anything other than its intended purpose.

### **To prevent injury and damage to your mattress, please follow these instructions very carefully.**

- ✓ **Instructions** – Read the instructions prior to use.
- ✓ **Brakes** – Ensure the brakes on both transfer surfaces are locked.
- ✓ **Placement** – Make sure the transfer surfaces are at equal height or a slightly lower receiving surface and as close to each other as possible. If surfaces are more than 3" apart, use a gap board.
- ✓ **Position** – Ensure that each transfer surface is in a flat position so as not to compromise any underlying patient health conditions.
- ✓ **Obstructions** – Remove obstructions in the path of the transfer and on the transfer surfaces such as I.V. tubing and Medical Equipment.
- ✓ **Caregivers** – Utilize two or more caregivers during the transfer and refer to your facility's safe patient handling protocols. Always assess patient mobility status on a regular basis.
- ✓ **S.W.L** – Do not exceed the weight limit.
- ✓ **Radiology** – If using in the MRI, use an MRI extension hose and leave pump outside of MRI area. Pump is not MRI compatible.
- ✓ **Patient** – Never leave a patient unattended on inflated mattress.
- ✓ **BedRail** – Ensure bed's side rail is up on side of surface you are transferring to.
- ✓ **Air Supply** – Only use with compatible air transfer pumps. Contact Bridge Healthcare/Pelstar LLC to confirm compatibility.

### **Contraindicated for Use with:**

- Patients with thoracic, cervical, or lumbar fractures.
- Patients who exceed the Safe Working Load of 1200lb/545kg

**In no event shall Pelstar, LLC be liable for damages or injuries arising out of or connected with the assembly, use, or misuse of this product.**

## Getting to know your Mattress

Top Surface of Mattress (a)

Bottom Surface of Mattress (b) – has holes

Head of Mattress (c)

Foot of Mattress (d)

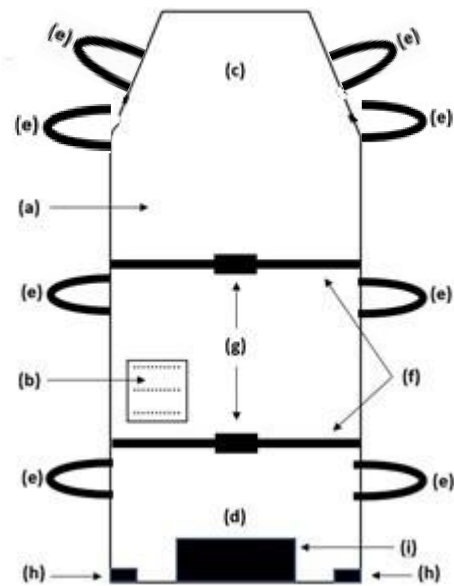
Handles (e) – locations shown are approximate

Safety Strap (f)

Velcro (g)

Air Hose Connection (h)

Label (i)



## User Instructions

1. Lock the wheels on the patient bed.
2. Caregivers should stand on each side of the bed.
3. Log roll the patient to their side.
4. Roll up half of the mattress length wise and place it partly under the patient where the patient's side meets the bed - ensuring proper head, foot, top of mattress orientation.
5. Log roll the patient onto the mattress to their opposite side.
6. Unroll the mattress so the patient is centered on the mattress using the center line as a guide.
7. Using the safety straps, secure the patient leaving slack so when mattress inflates it is not tight on the patient.
8. Position the bed or bring receiving surface next to bed so they are as close as possible with little gap. If there is a gap larger than 3", use a bridge board to eliminate the gap.
9. Lock the wheels on the receiving transport bed.
10. Insert and secure the Air Hose into the Air Inlet Port of the mattress – preferably on the side you are transferring to, however, either side will work.
11. Inform the patient that the mattress will be inflating. Note: If patient is on a low air loss mattress for skin care and a firm mattress button is available, it is recommended to firm the low air loss mattress before the transfer. After the transfer, return the low air loss mattress to its normal setting.
12. Turn on the air pump by pressing the on/off button or turning on the air dial.
13. Allow the mattress to fully inflate, this takes only several seconds.
14. Synchronize a transfer count of your choice (i.e. 1,2,3 or ready, set, go) prior to transferring.
15. Use the transfer handles to pull the patient from one surface to the other at a slight angle leading with the upper part of the patient's body.
16. The caregiver(s) on the opposite side will gently push to assist.
17. Visually check the patient is centered on the transferred receiving surface.
18. Turn off the air pump.
19. Disconnect the air pump from the mattress.
20. After deflating mattress and ensuring patient is centered on the receiving surface, disconnect safety straps and secure away for use during next transfer.

## If using BridgeAIR +Connect:

After mattress is placed underneath patient, optional connecting straps can be utilized to secure mattress to bed frame. Straps are secured with Velcro and located on each of the four corners of the mattress. Straps should be kept in adjacent strap storage pockets when not in use. Note, ensure to disconnect the straps and place into storage pockets before lateral transfers or repositioning.

## **If Using with STAR Wedges:**

### **Wedge Insertion – Caution: Ensure the siderail on patient’s turning direction is raised.**

#### **Wedge Insertion Using Deflated BridgeAirSTAR**

1. Log roll patient to offload pressure.
2. Insert the tail wedge, tail first and arrow side down, underneath the mattress below the sacral area. Ensure to pull the tail through completely to the opposite side so it lies smooth underneath the patient’s thighs.
3. Insert the upper wedge above the sacral area at least one hand width apart from the tail wedge.
4. Gently log roll patient onto wedges to achieve sacral offloading.
5. Ensure mattress and optional pad is smooth with no wrinkles underneath the patient. Check that the patient’s sacrum is offloaded.

#### **Wedge Insertion Using Inflated BridgeAirSTAR**

1. Inflate BridgeAirSTAR mattress, ensuring patient is centered.
2. Insert the tail wedge, tail first and arrow side down, underneath the mattress below the sacral area. Ensure to pull the tail through completely to the opposite side so it lies smooth underneath the patient’s thighs.
3. Insert the upper wedge above the sacral area at least one hand width apart from the tail wedge.
4. Turn air supply off. NOTE: If additional turning support is needed, have Caregiver #1 turn off pump while Caregiver #2 pulls patient further onto wedges while mattress is deflating.
5. Ensure mattress and optional pad is smooth with no wrinkles underneath the patient. Check that the patient’s sacrum is offloaded.

**Note:** The wedges must be removed from underneath the patient before inflating the mattress for transfer or repositioning. Remove the wedges by taking ahold of the handle and slowly maneuvering out from underneath the patient.

## **Cleaning and Disinfecting your Mattress**

- Mattress can be spot cleaned as needed.
- Utilize a diluted EPA approved germicidal cleaning solution, quaternaries, alcohol (70% isopropyl of Ethyl) or bleach solution diluted 1:10, or your hospital approved solution.
- Protective clothing and eye wear must be worn when handling contaminated items. Always follow facility protocol.
- Always allow to air dry after spot cleaning.

## **Reprocessing Instructions for BridgeAir Star Mattresses Only**

(Model #: PS34SPUS, PS39SPUS, PS37SPUO, PS40SPULT, PS40SPULTS, PS50SPULT)

Follow these instructions for reprocessing STAR mattresses. Each mattress can be reprocessed up to 5 times on average.

### **1. Post-Use Handling**

- **Immediate Action:** After use, the mattress should be removed carefully to avoid contamination.
- **Containment:** Place the used mattress in a designated container or laundry bag to prevent the spread of contaminants.

### **2. Washing**

- **Pre-Wash:** Remove visible soil, body fluids, or organic matter using a mild detergent.
- **Machine Wash:** Wash the mattresses in a washing machine per these guidelines:
  - Water temperature: Between 140°-160°F (60°-71°C)
  - Detergents: Use hospital-grade detergents or enzymatic cleaners. Do not use undiluted bleach or add bleach directly to the wash cycle; do not use chlorine bleach as a laundry additive.
- **Rinse:** Ensure thorough rinsing to remove all detergent residues.

### **3. Drying**

- **Air Drying:** For best results, hang the mattress in a designated drying area away from contaminants.
- **Machine Drying:** Use a low-heat setting to avoid material degradation, recommended range between 120°-140°F (50°-60°C).

### **4. Inspection**

- **Check for Damage:** Inspect for tears, fraying, loose stitching, or damage to handles.
- **Functional Testing:** Ensure all components, such as attachment snaps are intact and functioning properly.
- **Label Integrity:** Verify that weight limits and cleaning instructions on the label remain legible.

For questions, please contact Pelstar LLC. Customer Service at 1-800-815-6615.



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