Air Assisted Transfer Device

DISPOSABLE
STANDARD

DISPOSABLE SHORT

REUSABLE

USER MANUAL

HAINES® MEDICAL AUSTRALIA - SPECIALISTS IN INFECTION CONTROL AND PATIENT HANDLING EQUIPMENT

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INTRODUCTION

Thank you for purchasing an Air Assisted Transfer Device. It is part of a series of quality products designed to assist with patient lateral transfers and repositioning within the hospital, long term care facilities or at home. This User Manual will guide you in the use and care of your Reusable or Single Patient Use (SPU) Disposable Transfer Mattress.

How It Works

An Air Assisted Transfer Device moves a patient on a soft nylon air mattress inflated with low pressure, high volume air. Holes in the underside allow air to escape. The escaping air acts as a lubricant, reducing friction, making movement of the mattress and the patient, effortless.

The Purpose

Less physical effort and strain reduces caregiver injuries, predominantly the back injuries associated with lateral transfers and patient repositioning. Fewer injuries equate to fewer workers' compensation claims, fewer insurance claims, less lost time to injuries, less light duty assignments and increased caregiver job satisfaction. Additionally, the Air Assisted Transfer Device reduces patient physical movement that often leads to pain and discomfort. It supports the patient safely and results in a smooth, secure transfer, enhancing patient satisfaction.

Intended Use and Precautions

Caregivers and facilities should regularly assess patients as to their lateral transfer mobility and needs. This equipment is indicated for the following needs.

* Patients who are dependent, unable, or not required to participate in their transfer.
* Patients whose body weight and size pose a significant risk or care management issue to the patient or staff during performance of routine nursing care.
* The patient safe working load (SWL) of Air Assisted Transfer Device is 1000 lbs. / 453kg for SPU Disposable Transfer Mattresses and 1200 lbs. / 544kg for Reusable Transfer Mattresses.

If the patient does not meet these criteria an alternative system should be used.

Contraindications

Always make a clinical assessment to make sure the patient is suitable for the equipment.

* This equipment can be unsuitable for patients with thoracic, cervical or lumbar fractures.
* This equipment can be unsuitable for patients whose body shape does not fit within the physical boundaries of the mattress.

Precautions

* Do not attempt to use the Transfer Device until you have read and understood these directions.
* Caregivers must verify all cater brakes have been engaged prior to transfer.
* Never leave a patient unattended on an inflated transfer mattress.
* Never attempt to move a patient on an un-inflated transfer mattress.
* Caregivers must ensure that the opposite side-rail on the receiving surface is in the upright and locked position before transfer.
* Verify that all patient support systems such as I.V. lines or oxygen hoses are free to transfer with the patient.
* WARNING : For safety, always use two people during patient transfers.
* CAUTION : Avoid electric shock. Do not open an air supply.
* NOTE : Care must be taken to ensure the patient is placed on the non-perforated side of the transfer device with feet at the label end of the surface.

Air Supplies

To operate your Transfer Device you will need a compatible Air Supply. Air Assisted Transfer Devices® are compatible with all major manufacturers' air supply systems. This includes Hovermatt,® Arjo-Huntleigh,™ Stryker,® EZ Way,® Air Movement Technologies, Inc. and Airpal.® Always refer to your air supply operating instructions when using their equipment. Follow all safety guidelines and observe all precautions and warnings. Other manufacturers' air supplies may be compatible if they provide 3 psi pressure and 80 cfm capacity using a standard 1.75 inch diameter hose with a fixed snap or Velcro fastening method.

Product Description

Your Air Assisted Transfer Device is part of a complete line of patient transfer products produced by Haines. You may also wish to use optional Air Assisted Transfer Device disposable cover sheets to protect the pad and enable quick cleaning.

Parts Identification

A. Pull Straps
B. Patient Straps
C. Air Entry Ports
D. Air Supply Hose Connection

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Transfer Mattress Construction

The Air Assisted SPU Disposable Transfer Device is of sewn construction consisting of a vapor permeable nylon and PVC fabric body with a polypropylene cover. The available sizes are 28", 34", 39", and 50" wide by 78" long and 34" and 39" wide by 48" long.

The Air Assisted Reusable Transfer Device is of sewn construction consisting of a vapor permeable nylon twill and PVC fabric body. The available sizes are 28", 34", 39", and 50" wide by 78" long.

There is no Latex used in the construction of any Air Assisted Transfer Device products.

INSTRUCTIONS FOR USE

Placing the Patient on the Air Assisted Transfer Device

The Patient should be placed on the Transfer Device using a Patient appropriate method after assessing the Patient's condition and mobility.
Care must be taken to ensure the patient is placed on the non-perforated side of the Transfer Device with the feet at the air entry end.

One method to properly position the Patient on the Transfer Device is to use a "Log Rolling" technique as used in changing patient linen.

* Start by rolling the Transfer Device lengthwise toward the center.
* Approaching the patient from either side, log-roll the patient toward the attendant.
* Place the rolled section of the Transfer Device against the patient where his body comes in contact with the bed.
* Roll the patient back and slightly to his opposite side.
* Unroll and center the patient on the Transfer Device as you would in changing a sheet. If the patient is not centered on the Transfer Device, repositioning using the same technique will be necessary.
* After proper placement on the Transfer Device secure the Patient Straps, loosely in order to allow for the inflation of the Transfer Device.
* Once secured the air supply may be attached to the Transfer Device. Attachment points are provided on either side of the foot end of the Transfer Device. Always refer to your system's air supply user manual for proper attachment and inflation.

Positioning the Transfer Stretcher

After the patient is placed upon the Transfer Device, the transfer stretcher is brought alongside. It is advised that the side rail of the receiving stretcher on the opposite side of the bed is in the raised and locked position, and that the wheel locks are engaged prior to any transfer. The stretcher location should be such that after transfer, the patient will be centered longitudinally on the stretcher.

Typical Transfer of a Patient

* Confirm that no handrail, accessory or sharp object obstructs the area over which the Transfer Device will pass, and that the air hose is free of obstructions to move with the Transfer Device.
* Make sure any patient support systems such as I.V. lines or oxygen hoses are free to move with the patient.
* Turn on the air supply and wait several seconds for the Transfer Device to fully inflate.
* Grasp the pull straps and with one firm continuous pull move the patient to the desired surface.
* Raise the side rail of the stretcher.
* Turn off the air supply.
* If indicated, remove the Transfer Device for later use.
* Never leave a patient on an inflated Transfer Device.
* Never attempt to transfer a patient using an un–inflated Transfer Device.

Transfer Conditions

Conditions can vary with the many surfaces the Air Assisted Transfer Device is designed to accommodate. The most common considerations are different surface textures, space between adjacent transfer surfaces and differences in surface elevations.

* The harder and smoother a surface, the easier a Transfer Device glides. Use caution when transferring onto such surfaces as x-ray tables or smooth cushioned stretchers, to prevent the patient from traveling too far. The transferring attendant should always pull the patient toward him, using his body as additional assurance of controlling the transfer. When possible a second attendant on the opposite side of the patient assisting with the transfer, provides additional security for both staff and patient.
* Softer surfaces, such as a normal household bed, the air flow from a Transfer Device can be absorbed thereby increasing the effort required to transfer the patient. Placing a plastic sheet, disposable cover or any other similar surface under the transfer device will increase air flow efficiency and reduce the effort required. A second air supply can be added when using the larger transfer devices with Bariatric patients.
* It is advantageous to have the surface you are transferring to, lower than the surface you are transferring from. This way gravity works with you for an easier move.
* If the space or gap between the bed and the stretcher is greater than 3" use of a transfer bridge is recommended to fill the gap.
* The easiest method of lateral transfer is on a diagonal. This reduces the effort required and adds to the patient's sense of security and comfort. It is accomplished by first pulling the patient's upper torso so that it leads the foot section by 16–24". As the upper torso nears its desired location, diminish the pull on the upper torso while continuing to pull the feet to their final position. If desired a feet first diagonal transfer is equally effective.

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Cleaning

Air Assisted Transfer Devices require a disinfectant wipe down or laundering between patients. If hospital protocol allows Air Assisted Single Patient Use Transfer Devices® may be cleaned or laundered for reuse by the same patient.

Wipe down after each use utilizing a properly 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 eyewear must be worn when handling contaminated items.
* Apply approved solution to Transfer Device per your hospital protocol
* Remove ALL visible soiling and wipe off excess solution
* Disinfect the clean surface with proper mixed concentrations of chlorine solution.
* Allow to air dry.

FOR SOILS AND STAINS:
Wipe fabric clean with neutral suds and lukewarm water. Rinse with water.

HARD TO CLEAN SPOTS:
Use standard liquid household/vinyl cleaners and/or a soft bristle brush. Pre-soak as needed.

DISINFECTION:
Dilute disinfectants and/or germicides as specified on manufacturer's product label or as specified by your hospital

Laundering

If the mattress becomes soiled it should be laundered with any hospital approved non-alkaline detergent. Water temperature should not exceed 160˚ Fahrenheit.

* Pre-rinse to loosen soil.
* Place in washing machine with proper hospital approved detergent.
* Rinse cycle; add neutralizer to control final pH.
* The use of bleach is strongly recommended.
* When cycle is completed, remove and tumble dry at the optimum fabric temperature not to exceed 140˚ Fahrenheit.

*- Do not iron. The heat of the iron will damage the fabric.

WARRANTY

For one year after the original date of purchase, Haines or its Authorized Service Centers, will repair or replace, at its option, its reusable products, free of charge, if defective in material or workmanship. This Limited Warranty does not include cleaning, or damage caused by accident, neglect, misuse or improper installation or operation, any damage caused from unauthorized repairs, maintenance, modifications or tampering by anyone other than an Air Assisted Transfer Device Authorized Service Representative or conditions beyond the control of Air Assisted Transfer Device, or operation of the system in excess of the specifications or with the Serial Number Label removed.

HAINES® DISCLAIMS ALL OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT TO THE EXTENT THAT ANY WARRANTIES IMPLIED BY LAW CANNOT BE VALIDLY WAIVED.

No oral or written information or advice given by Haines, its Authorized Service Centers, distributors, dealers, agents, or employees, shall create another warranty or modify this warranty. This warranty states Haine's entire liability and is your exclusive remedy against Haines for any failure of the system to operate properly.

Neither Haines nor anyone else involved in the development, production, or delivery of this system shall be liable for any indirect, incidental, special, consequential, exemplary, or punitive damages, including lost profits, rising from the use or inability to use the product, even if advised of the possibility of such damage.

Because some states do not allow the exclusion or limitation of consequential or incidental damages, the above limitation may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights, which vary from State to State.

For support, service and warranty information, please contact us:

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