



HOVERMATT®

PROS™ Air

Patient Repositioning Off-Loading System

User Manual

















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Symbol Reference

	CE MARKING OF CONFORMITY		LOOP STYLE HANGER BAR
	UK MARKING OF CONFORMITY		LOT NUMBER
	AUTHORIZED REPRESENTATIVE		MANUFACTURER
	UK RESPONSIBLE PERSON		DATE OF MANUFACTURE
	SWITZERLAND AUTHORIZED REPRESENTATIVE		MEDICAL DEVICE
	CAUTION / WARNING		MODEL NUMBER
	ATTACH CONNECTING STRAP		MR CONDITIONAL
	DISPOSAL		MR UNSAFE
	FOOT END		SINGLE PATIENT - MULTIPLE USE
	IMPORTER		DO NOT LAUNDER
	OPERATING INSTRUCTIONS		UNIQUE DEVICE IDENTIFIER
	KEEP DRY / PROTECTED FROM MOISTURE		PATIENT WEIGHT LIMIT
	LATEX FREE		

Intended Use and Precautions

INTENDED USE

The HoverMatt® PROS™ (Patient Repositioning Off-Loading System) Air, is breathable and used to assist caregivers with patient positioning (including boosting and turning), lateral transfers, and proning using air. By providing pressure relief of bony prominences to aide with Q2, reducing shear and friction when repositioning, and enhancing microclimate management, the system provides a solution to safely turn and reposition patients while reducing caregiver strain.

The HoverTech Air Supply inflates the PROS Air to cushion and cradle the patient, while air simultaneously escapes from the holes on the underside, reducing the force needed to move the patient by 80-90%.

INDICATIONS

- Patients unable to assist in their own repositioning (including turning and boosting) and lateral transfers.
- Patients that need Q2 turning for off-loading pressure.
- Patients that need to be placed in prone position.
- Patients whose weight or girth poses a potential health risk for the caregivers responsible for repositioning or laterally transferring said patients

CONTRAINDICATIONS

- Do not use with patients over the weight limit of 1200lbs.
- Do not use with patients who are experiencing thoracic, cervical or lumbar fractures that are deemed unstable unless a clinical decision has been made by your facility.

INTENDED CARE SETTINGS

- Hospitals, long term or extended care facilities.
- Breathable: May remain under patient.

PRECAUTIONS – PROS AIR

- Caregivers must verify that all brakes have been engaged prior to transfer.
- Use a minimum of two caregivers during lateral patient transfers.
- For in-bed positioning tasks, more than one caregiver may be needed.
- Never leave patient unattended on an inflated device.
- Use this product only for its intended purpose as described in this manual.
- Only use attachments and/or accessories that are authorized by HoverTech.
- When transferring or positioning on a low air loss mattress, set the bed mattress air flow to the highest level for a firm surface.



If there is any indication of damage, remove the PROS Air from service and discard.



Side rails must be raised with one caregiver.

PRECAUTIONS – AIR SUPPLY

- Not for use in the presence of flammable anesthetics or in a hyperbaric chamber or oxygen tent.
- Route the power cord in a manner to ensure freedom from hazard.
- Avoid blocking the air intakes of the air supply.
- When using the PROS Air in the MRI environment, a 25 ft. specialty MRI hose is required (available for purchase).



Reference product specific user manuals for operating instructions.



Avoid electric shock. Do not open air supply.



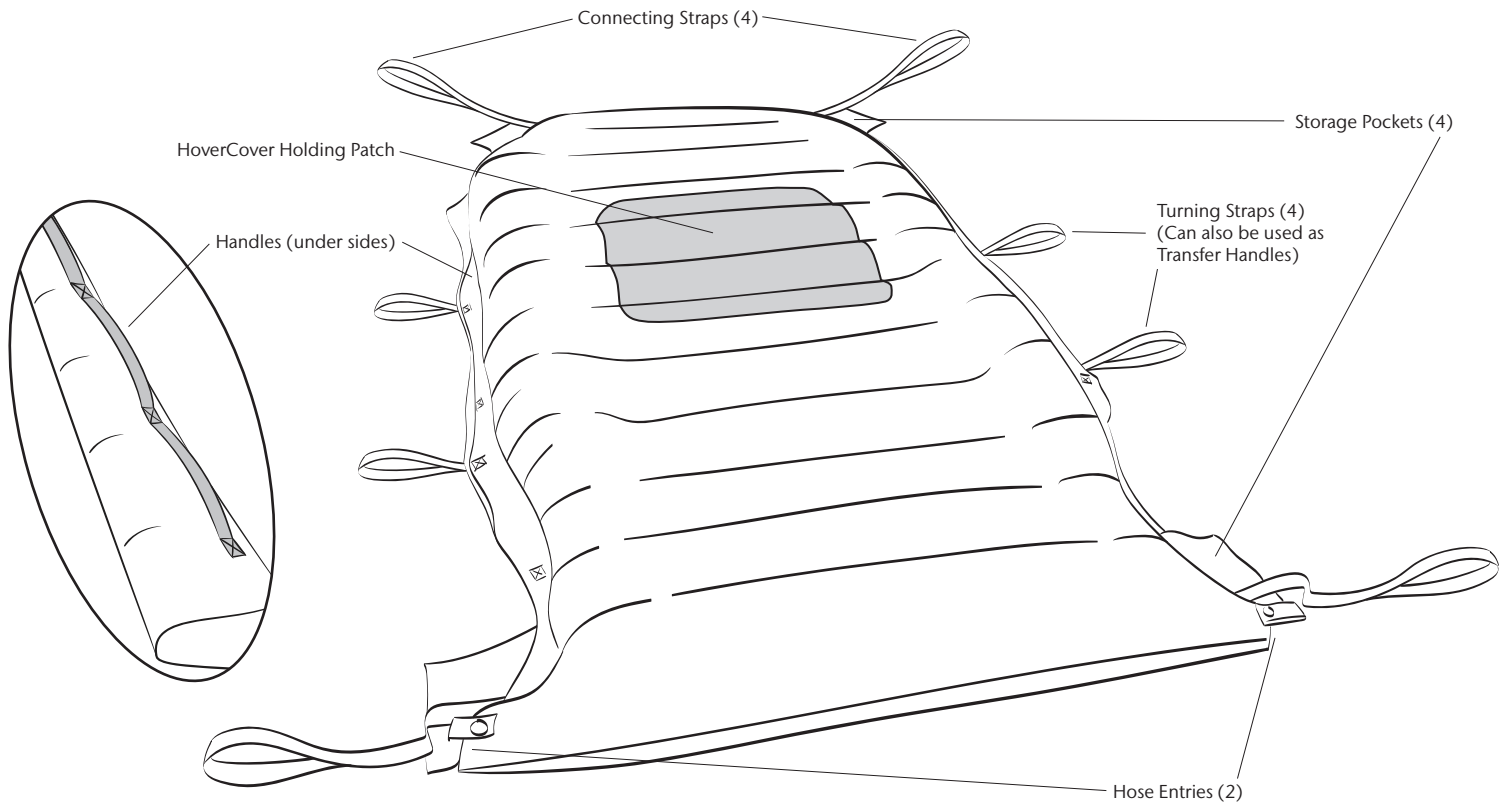
In the OR – To prevent patient from slipping, always deflate the HoverMatt and secure the patient and HoverMatt to the OR table prior to moving the table into an angled position.

PRECAUTIONS – MRI

- The HoverMatt PROS Air is MR conditional by rationale. The device is made from all non-ferrous materials. As a result, MR safety testing was not performed. Based on rationale, the HoverMatt PROS Air is electronically non-conductive and non-magnetic.
- When using a HoverMatt PROS Air in an MRI environment a 25 ft. specialty MRI hose is required, thus making these products MRI conditional. The HoverTech air supply and regular hose are conductive and magnetic and are MR Unsafe.

HOVERMATT[®] PROS[™] Air User Manual

Part Identification – PROS Air



Product Specifications/Required Accessories

PROS Air

Material:	Nylon Twill
Construction:	Sewn
Width:	48.5" (123 cm)
Length:	78" (198 cm)

Model #: PROS-HM-KIT (Air Matt + HoverCover + pair of wedges) 3 per case*
 Model #: PROS-HM-CS (Air Matt + HoverCover) 10 per case



LIMIT 1200 LBS/ 544 KG

*Wedge Pair Includes: 1 Wedge with Tail & 1 without Tail, Compressed

REQUIRED ACCESSORY:

Model #: HTAIR1200 (North American Version) – 120V~, 60Hz, 10A
 Model #: HTAIR2300 (European Version) – 230V~, 50 Hz, 6A
 Model #: HTAIR1000 (Japanese Version) – 100V~, 50/60 Hz, 12.5A
 Model #: HTAIR2356 (Korean Version) – 230V~, 50/60 Hz, 6A
 Model #: AIR200G (800 W) – 120V~, 60Hz, 10A
 Model #: AIR400G (1100 W) – 120V~, 60Hz, 10A

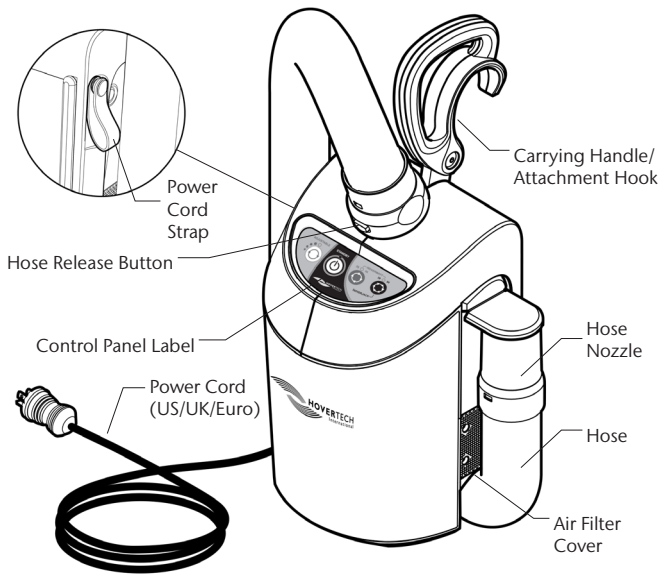
REQUIRED ACCESSORY FOR USE TO TURN PATIENT WITH A LIFT

Any patient lift with 2, 3, or 4-point loop style hanger bars intended for use with:

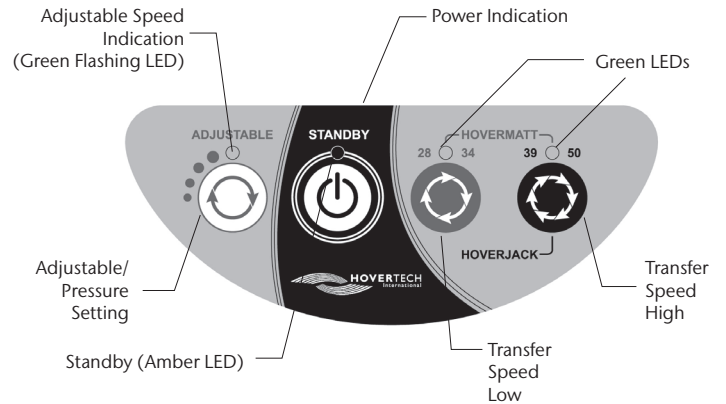
- Mobile hoists
- Hoist trolleys
- Stationary hoists fixed to the wall/walls, floor and/or ceiling
- Stationary free-standing hoists

HOVERMATT[®] PROS[™] Air User Manual

Part Identification – HT-Air[®] Air Supply



HT-Air[®] Keypad Functions



ADJUSTABLE: For use with HoverTech air-assisted positioning devices. There are four different settings. Each press of the button increases the air pressure and rate of inflation. The Green Flashing LED will indicate the inflation speed by the number of flashes (i.e. two flashes equals the second inflation speed).

All of the settings in the ADJUSTABLE range are substantially lower than the HoverMatt and HoverJack settings. The ADJUSTABLE function is not to be used for transferring.

The ADJUSTABLE setting is a safety feature that can be used to ensure the patient is centered on HoverTech air-assisted devices and to gradually accustom a patient who is timid or in pain to both the noise and functionality of the inflated devices.



STANDBY: Used to stop inflation/air flow (Amber LED indicates STANDBY mode).



HOVERMATT 28/34: For use with 28" & 34" HoverMatts and HoverSlings.



HOVERMATT 39/50 & HOVERJACK: For use with 39" & 50" HoverMatts and HoverSlings and 32" & 39" HoverJacks.

Air200G/Air400G Air Supplies

If using HoverTech's Air200G or Air400G Air Supplies, press the grey button on the top of the canister to initiate air flow. Press the button again to stop air flow.

HOVERMATT® PROS™ Air User Manual

Instructions for Use – PROS Air*

PLACING PRODUCT UNDER PATIENT - LOG ROLLING TECHNIQUE

1. Open the product and place length-wise next to the patient.
2. Unfold the PROS Air furthest from the patient to the side of the bed.
3. Tuck the other side under the patient as far as possible.
4. Roll the patient onto their side toward the unfolded matt. Unroll the rest of the matt from under the patient to cover the bed.
5. Place the patient back in a supine position. Straighten matt to remove any wrinkles.

ATTACHING TO BEDFRAME

1. Remove corner Velcro connecting straps from pockets and loosely attach to solid points on the bedframe (or to the headboard) to reduce matt migration.
2. Repeat the process on the other three corners of the matt.
3. Before boosting, turning, proning, and/or transfers, disconnect connecting straps from bed frame.
4. When straps are not in-use, store in pockets.

Instructions for Use as an Air-Assisted Device*

1. Patient should preferably be in a supine position.
2. Place PROS Air underneath patient using a log rolling technique.
3. Plug the HoverTech Air Supply power cord into an electrical outlet.
4. Insert the hose nozzle into either of two hose entries at foot end of PROS Air and snap into place.

BOOSTING

(To ease boosting efforts, place bed in Trendelenburg prior to boosting.)

1. If using one caregiver, raise the siderails prior to matt inflation.
2. Press the variable speed button to ensure the patient is centered.
3. When confirmed patient is centered, press the 39" HoverMatt setting on the air supply.
NOTE: If using the Air200G or Air400G, press the gray button to fully inflate the PROS Air.
4. When matt is fully inflated, use the handles under the edge of the matt to boost patient into proper placement on the bed.
5. Press the STANDBY button to stop airflow. Remove hose. Smooth out wrinkles of matt.
6. Attach Velcro connecting straps to bedframe to keep matt in place and reduce migration

REPOSITIONING/WEDGE PLACEMENT

1. If using one caregiver, raise the siderails prior to matt inflation.
 2. Press the variable speed button to ensure the patient is centered.
 3. When confirmed patient is centered, press the 39" HoverMatt setting on the air supply.
NOTE: If using the Air200G or Air400G, press the gray button to fully inflate the PROS Air.
 4. When matt is fully inflated, use the handles under the edge of the matt to center the patient on the bed.
 5. Press the STANDBY button to stop airflow. Remove hose. Smooth out wrinkles of matt.
 6. Attach Velcro connecting straps to keep matt in place and reduce migration.
- a. To insert wedges, inflate PROS Air and hold the edge of the matt. Place wedges between the bed and device.
 - b. Insert the tail of the wedge just under the patient's thighs. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast™ foam.
 - c. Place the standard wedge to support the patient's back about 1 hand's width away from the tailed wedge. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
 - d. Pull the tail through to the other side of the patient to anchor the wedge.
 - e. After wedges are placed, make sure the sacrum is not touching the bed (floating). If it is, reposition wedges to ensure sacral off-loading.
 - f. Deflate the matt and reconfirm the placement of the wedges.

*Every PROS Air includes a HoverCover absorbent pad. For proper use, the PROS Air is to be used with a HoverCover, or a hospital approved absorbent pad, or bed linen.

REPOSITIONING/WEDGE PLACEMENT (CONTINUED)*

2. Hygiene Turn, HoverCover™ Replacement, Wedge Placement (air turn)

- a. With a caregiver on each side of the patient, fully inflate PROS Air. Slide the patient in the opposite direction of the turn, slide them as close to the edge of the bed as possible to ensure that when the patient is repositioned, they will be centered on the bed.
- b. To turn the patient on their side, the caregiver furthest from the patient will gently push down on the PROS Air at the patient's shoulder and hip, while the turning caregiver gently pulls up on the handles. Once the patient is turned on their side, the caregiver receiving will stay with the patient while the turning caregiver presses the STANDBY button to stop air flow.
- c. If replacing the HoverCover or performing a hygiene turn, the opposite caregiver will brace the patient on their side while the turning caregiver will release the handles and hold onto the patient's hip and shoulder to stabilize the patient.
- d. While the patient is turned, hygiene can be performed and HoverCover removed and replaced.
- e. Repeat on the other side before placing wedges.
- f. Insert the tail of the wedge just under the patient's thighs. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast™ foam.
- g. Place the standard wedge to support the patient's back about 1 hand width away from the tailed wedge. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
- h. Return patient to supine position.

- i. Pull the tail through to the other side of the patient to anchor the wedge.
- j. After wedges are placed, make sure the sacrum is not touching the bed (floating). If it is, reposition wedges to ensure sacral off-loading

3. Wedge Placement with a Ceiling or Portable Lift (Single Caregiver)

- a. Raise the side rails on the opposite side of the bed the patient will be turned toward. Ensure the patient is centered and slide the patient in the opposite direction of the turn using either the sling to lift or a manual technique. This will allow the patient to be centered on the bed when repositioned on the wedges.
- b. Attach the shoulder and hip turning straps of the PROS Air to the hanger bar which should be parallel to the bed. Raise the lift to initiate the turn.
- c. Insert the tail of the wedge just under the patient's thighs. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
- d. Place the standard wedge to support the patient's back about 1 hand's width away from the tailed wedge. Ensure the back part of the wedge is elevated until the position is set, then lower the wedge down to secure in place with the HoldFast foam.
- e. After the wedges are placed, lower the patient onto the wedges, ensure straps are not underneath the PROS Air.
- f. Pull the tail through to the patient's other side until taught. Check wedge placement by placing your hand between the wedges, confirming the sacrum is not touching the bed. If it is, reposition wedges to ensure sacral off-loading.

LATERAL TRANSFER

1. Ensure that transfer surfaces are as close as possible and lock all wheels.
2. If possible, transfer from a higher surface to a lower surface.
3. Press the variable speed button to ensure the patient is centered.
4. When confirmed patient is centered, press the 39" HoverMatt setting on the air supply.

NOTE: If using the Air200G or Air400G, press the gray button to fully inflate the PROS Air.

5. Push PROS Air at an angle, either headfirst or feetfirst. Once half-way across, opposite caregiver should grasp closest handles and pull to desired location.
6. Ensure patient is centered on receiving equipment prior to deflation.
7. Turn off air supply and employ the bed/stretchers rails.
8. Remove connecting straps from pockets and loosely attach to solid points on bed frame if transferring back to bed.

NOTE: For use with patients of size, two air supplies may be used for inflation.

PRONE

1. Ensure brakes are locked. Multiple caregivers will be needed for this task.
2. Be sure patient is centered on the product prior to movement.
3. Inflate the PROS Air. Slide patient over to one side of the bed to ensure room for the turn.
4. Place another HoverCover, positioning devices or pillows, and PROS Air on top of the patient. Fold matt down to shoulder level keep face exposed.

5. Roll the two PROS Air matts together toward the patient to tightly cocoon the patient.
6. With a firm grasp on the rolled matts, turn the patient onto their side. Caregivers on opposite sides should exchange hand positions (hands on top should switch with hands on bottom).
7. Continue with turn after hand positions are switched. Unroll the matts and remove the top PROS Air and HoverCover.
8. Position patient per facility protocol.

*Every PROS Air includes a HoverCover absorbent pad. For proper use, the PROS Air is to be used with a HoverCover, or a hospital approved absorbent pad, or bed linen.

Cleaning and Preventive Maintenance

PROS AIR CLEANING

If soiled, the PROS Air may be wiped down with disinfectant wipes or a cleaning solution used by your hospital for medical equipment disinfection. A 10:1 bleach solution (10 parts water: one part bleach) may also be used.

NOTE: Cleaning with bleach solution may discolor fabric.

To help keep the PROS Air clean, HoverTech recommends the use of the HoverCover[™] Disposable Absorbent Cover. Whatever the patient is lying on to keep the hospital bed clean may also be placed on top of the PROS Air.

The Single-Patient Use PROS Air is not intended to be laundered.

AIR SUPPLY CLEANING AND MAINTENANCE

See air supply manual for reference.

NOTE: CHECK YOUR LOCAL/STATE/FEDERAL/INTERNATIONAL GUIDELINES BEFORE DISPOSAL.

PREVENTIVE MAINTENANCE

Prior to use, a visual inspection should be performed on the PROS Air to ensure that there is no visible damage that would render the PROS Air unusable. The PROS Air should have all of its straps and handles (reference the manual for all appropriate parts). If any damage is found that would cause the system not to function as intended, the PROS Air should be removed from use and discarded.

INFECTION CONTROL

The Single-Patient Use PROS Air eliminates the possibility of cross-contamination and the need for laundering.

If the PROS Air is used for an isolation patient, the hospital should employ the same protocols/procedures it utilizes for the bed mattress and/or for linens in that patient room.

Transportation and Storage



Keep dry / protected from moisture.

Returns and Repairs

All products being returned to HoverTech must have a Returned Goods Authorization (RGA) number issued by the company. Please call (800) 471-2776 and ask for a member of the RGA Team who will issue you an RGA number. Any product returned without an RGA number will cause a delay in the repair time.

Returned products should be sent to:

HoverTech
Attn: RGA # _____
4482 Innovation Way
Allentown, PA 18109

For European companies, send returned products to:



Attn: RGA # _____
Kista Science Tower
SE-164 51 Kista, Sweden

For product warranties, visit our website:

<https://hovertechinternational.com/standard-product-warranty/>



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These products comply with the standards applicable for Class 1 products in the Medical Device Regulation (EU) 2017/745 on medical devices.



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In case an adverse event in relation to the device, incidents should be reported to our authorized representative. Our authorized representative will forward information to the manufacturer.



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