

HOSPRO

USER MANUAL | คู่มือการใช้งาน

Alternating Pressure Mattress
ที่นอนลม



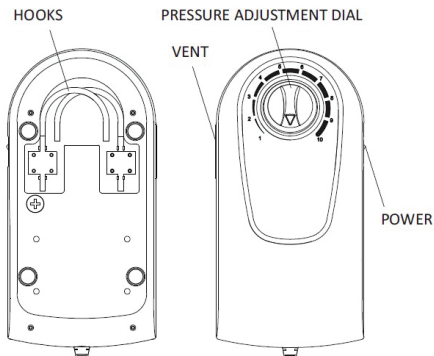
MODEL: H-AM01

USER MANUAL (EN)
คู่มือผู้ใช้งาน (TH)

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USER MANUAL (EN): Alternating Pressure Mattress

Features



Introduction

The alternative pressure mattress is intended to help and reduce the incidence of pressure ulcers while optimizing patient comfort in home healthcare environment, hospitals and nursing homes for long-term care.

The control unit contains a synchronous motor and an air compressor that is regulated by an electromechanical mechanism. Pressurized air is distributed through air hoses connected to a mattress and performed massage at predetermined pressure.

The control unit is intended to be hanged on the bed side by hook or is placed on a smooth flat surface position. The pneumatic mattress which used as support system, is pneumatically connected to the control unit air outlet by non-conductive hose. The safe working load of mattress is 135 kg.

The device can operate continuously without attention

Protection against electric shock: Class II. Type BF applied part
Protection against ingress of water or particular matter: IP21.

Intended uses of the device

The device is recommended for the prevention and treatment of pressure sore stage I and II in long term and domiciliary therapies.

Contraindications

Patient conditions for which the application of pressure therapy on an alternation system is contraindicated are as following.

- **Cervical or skeletal traction**
- **Unstable spinal cord injuries**

- Do not smoke on or near the pump.
- Do not use while bathing.
- Do not place or storage product where it can fall or be pulled into a tub or sink.
- Do not place in or drop into water or other liquids.
- Do not reach for a product that has fallen into water.
Unplug immediatelt.
- Never operate this product if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the product to a service center for examination and repair.
- Never block the air operatings of the product or place it on a soft surface, such as abed or couch, where the air openings may be blocked. Keep the air openings free of lint, hair, and the like.
- Never drop or insert any object into any opening or hose.
- Do not use outdoors or operate where aerosol (spray) products are being used.

Warnings

- Always unplug the device immediately after use.
- The device should never be left unattended when plugged in or operation.
- Close supervision is necessary when this product is used by, on, or near children or invalids.
- Explosion risk if used in the presence of flammable anesthetics.

Precautions

- Keep the cord and device away from heated surfaces.
- Use this product only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
- Replace fuse as marked: T1A L250V.
Power Input: ~ 220V 50Hz, 0.1A

Operation

1. Place the mattress on the bed frame with the hose end at the foot section of the bed frame.
2. Using the integrated hooks, securely hang the pump on the bed end at the foot end or place on a smooth flat surface.
3. Connect the air hoses from the mattress to the pump.
4. Plug the pump into a wall outlet.
- **Be sure the power cord is safely away from possible hazards.**
5. Turn on the power switch on the control panel of the pump.
The pump will begin to inflate the mattress.
6. After inflation, adjust the mattress using the dial on the pump.

Cleaning

PUMP

- Do not immerse or soak the pump.
 1. Check for external damage and move the pump to a cleaning area.
 2. Place the pump on a work surface and spray or wipe the outside of the case with quaternary ammonium solution.
- Do not spray any cleaning solution directly on the surface of the pump.
- Do not use a Hypocarbonate or Phenolic based cleaning solution as this may cause damage to the case. Allow the solution to incubate for 10 minutes or accordingly as stated by cleaning product used.
- 3. Spray cloth with cleaning solution and clean faceplate. Do not allow excess cleaning solution on faceplate or control panel. (if solution gets inside, damage will occur.)
- 4. Allow surface to thoroughly dry after cleaning.
- 5. After the pump is thoroughly cleaned and dried, proceed to plug in the pump and test to see if it runs normally.

MATTRESS

1. Any obvious blood spots should be wet thoroughly with 1:9 Hypochlorite solution (1 part bleach to 9 part water) and allow drying for least 10 minutes. Then blot with clean, damp cloth.
2. Brush or wipe down all surfaces with soap and water before applying any liquid.
3. Allow it to thoroughly air dry. Once the inside is dry, turn back: wipe down the outside of the bag with disinfectant.
4. Dry the mattress on a sunless area after cleaning.

Handling and storage

1. Lay the mattress flatly. Fold or roll it carefully.
2. Unplug the pump and storage with proper identification tag.
 - Follow the national requirement to dispose the pump.

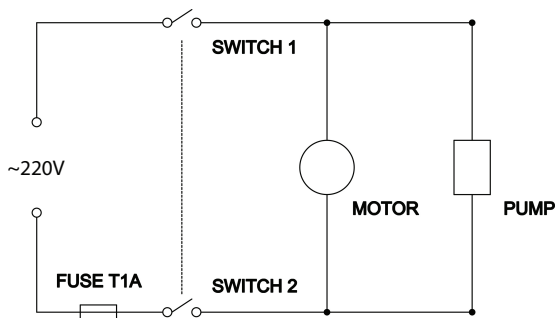
Maintenance

- Check the power cord and plug to see if there are abrasions or excessive wear.
- Plug in the pump and check the airflow from the hose connect port. The airflow should alternate between port every half-cycle time.

Product Specifications

<u>MATERIAL OF PRODUCT</u>	
Mattress Cells :	PVC 130 cells.
<u>SIZE OF PRODUCT</u>	
Mattress: Pump:	200x90x7 cm. 27x13x10.5 cm.
<u>WEIGHT OF PRODUCT</u>	
Mattress: Pump:	1.84 kg 0.96 kg
<u>PUMP SPECIFICATION</u>	
Pressure range: Air output: Cycle time: Alternating:	40-110 mmHg 6-7 LPM 6 mins 1-in-2
<u>WEIGHT CAPACITY</u>	
MAX patient weight:	135 kg
<u>ELECTRICAL</u>	
Operating power: Fuses:	~ 220V 50 Hz, 0.1A MAX T1A, L250V
<u>ENVIRONMENTAL CONDITIONS</u>	
<u>OPERATING CONDITIONS</u>	
Ambient Temperature: Relative Humidity:	10°C to 40°C (50°F to 104°F) 10% to 75%
<u>STORAGE AND SHIPPING CONDITIONS</u>	
Ambient Temperature: Relative Humidity:	-18°C to +43°C (0°F to 110°F) 10% to 95%

Circuit diagram



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