

**MCKESSON**

# Alternating Pressure Pump and Pad System

user manual

Provides a total weight bearing capacity of 300 lbs (136 kg).

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# Bomba de presión alterna y Sistema de colchoncillo

manual del usuario

Soporta un peso total de 300 libras (136 kg).

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# Système de matelas pressurisé alternatif

guide de l'utilisateur

Capacité de charge totale de 136 kg (300 livres).

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**36 in (W) x 78 in (L)**

(91 cm (W) x 198 cm (L))

POWERED BY  
CON LA TECNOLOGÍA DE  
PROPULSÉ PAR

**drive**

MFR #

**146-14001E**

# IMPORTANT SAFEGUARDS

When using electrical products, especially when children are present, basic safety precautions should always be followed, including the following:

## READ ALL INSTRUCTIONS BEFORE USING

### DANGER

To reduce the risk of electrocution:

- Always unplug this product immediately after use.
- Do not use while bathing.
- Do not place or store 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 immediately.

### WARNING

To reduce the risk of burns, electrocution, fire, or injury to persons:

- A product should never be left unattended when plugged in.
- Close supervision is necessary when this product is used by, on, or near children or physically challenged individuals.
- Use this product only for its intended use as described in this manual.
- Do not use attachments not recommended by the manufacturer.
- 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.
- Keep the cord away from heated surfaces.
- Never block the air openings of the product or place it on a soft surface, such as a bed 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 this product in or near explosive atmospheres, or where aerosol (spray) products are being used.
- DO NOT pump combustible liquids or vapors with the product or use in or near an area where flammable or explosive liquids or vapors may exist.
- DO NOT operate this product in an oxygen enriched environment, i.e. oxygen tent or oxygen hood.
- Use only in well ventilated areas.
- Connect this product to a properly grounded outlet only. See Grounding Instructions.

# INTRODUCTION

This manual should be used for the initial set up of the system and for reference purposes.

## GENERAL

The McKesson device is a high quality and affordable air support surface system suitable for pressure ulcer prevention and treatment. It has been specifically designed for prevention and treatment of pressure ulcers and offers an effective solution to 24-hour pressure area care.

The McKesson device has been tested and certified to the following standards:

- UL 1431
- EN 60601-1
- EN 60601-1-2

## INTENDED USE

The McKesson device is intended to reduce the incidence of pressure ulcers while optimizing patient comfort. It also is appropriate for the following:

- Individual home care setting and long-term care facilities
- Pain management as prescribed by a physician.

## CONTRAINDICATION

Patient conditions for which the application of pressure relieving therapy on an alternation system is contraindicated are as follows:

- Cervical or skeletal traction
- Unstable spinal cord injuries

# PRODUCT DESCRIPTION

## PUMP

### Power Switch

The switch is on the front faceplate of the pump.  
Turn ON the power, the pump will start operation.

### Pressure-Adjust Knob

Turn the soft/firm knob to set a comfortable pressure level.

## BUBBLE PAD

Lay it on top of a base mattress. Please refer to the Specifications section for details.

## MANUAL

Always read this manual before using this product.

# INSTALLATION

- Step 1** Place the bubble pad flat on a base mattress, which should be on a bed frame. The inflation tubes should be towards the foot end so that they can be connected to the inflation nozzles on the pump.
- Step 2** Cover with a cotton sheet to avoid direct skin contact and reduce friction.
- Step 3** Hang the pump over the frame or board at the foot end of the bed. Make sure the pump is secured.
- Step 4** Connect the inflation tubes from the bubble pad to the pump's inflating nozzles. Make sure they are properly attached.

**CAUTION:** Make sure the inflation tubes are not kinked or tucked under the pad.

- Step 5** Plug the power cord into an electrical outlet with grounded AC power. If the power cord has a grounding wire with a grounding pin, then this three-wire plug must be plugged properly into an outlet and grounded as shown in the figure in the Grounding Instructions section.

**NOTE:** Before inserting the plug into the outlet, make sure the voltage is compatible.

**CAUTION: MAKE SURE THIS PRODUCT IS WELL GROUNDED.**

- Step 6** Turn on the power by pressing the power switch at the right side of the pump. Proceed to the Operation section.
- Step 7** Make sure to disconnect the pump by unplugging the power cord when it is not in use.

## GROUNDING INSTRUCTIONS

This product should be grounded when it is equipped with a cord that contains a grounding wire with a grounding plug. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current.

**DANGER:** Improper use of the grounding plug can result in a risk of electric shock.

If repair or replacement of the cord or plug is necessary, do not connect the grounding to either flat blade terminal. The wire with insulation having an outer surface that is green with or without a yellow stripe is the grounding wire.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

If it is necessary to use an extension cord, use only a 3-wire extension cord that has a three-prong grounding plug and a 3-slot receptacle that will accept the plug on the product. Replace or repair if damaged.

### POLARIZED PLUG

**If the product is provided with a 2-wire polarized attachment plug:**

This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact qualified electrician. Do not attempt to modify the plug in any way.

# OPERATION STEP BY STEP

Always read the operating instructions before use.

For time-saving in the first inflation, turn the pressure knob to the full Firm position.

**NOTE:** It requires approximately 10 minutes for a bubble pad to be fully inflated.

Turn the pressure-adjust knob to set a comfortable pressure level from soft to firm according to patient's weight and comfort.

## PRESSURE SET UP

It is recommended to turn the pressure adjust knob to Firm when the bubble pad is initially inflated. Users can then easily adjust the pressure level of the bubble pad to a desired firmness by themselves or according to the suggestion from a health care professional.

If the pressure is consistently low, check for any leakage occurring in inflation tubes. Contact your local dealer for replacement of any damaged tubes.

## TROUBLESHOOTING

### PROBLEMS

### SOLUTIONS

#### The pump doesn't work

1. Check if the plug is inserted firmly into the outlet.
2. Turn on the power switch again.

- If the power indicator is ON and the pump still doesn't work, contact your local dealer immediately.
- If the power indicator is OFF, there may be a faulty outlet. Try to connect the power cord to another outlet.
- If the power indicator is still OFF, contact a qualified electrician for main power check.

#### Incomplete inflation (Low pressure)

1. For a quick check, adjust the pressure to Firm.
2. Check to see if the inflation tubes connected to the pump are twisted or disconnected, or any leakage occurring.

- Always keep the tubes straight.
- Change the tubes if there is any leakage.

# CLEANING

In this section, we describe the procedures to clean and decontaminate the pump and bubble pad. It is important to follow these procedures before using the system on patients.

The cleaning task is required at least once a week to maintain personal hygiene.

## PUMP

- DO NOT immerse or soak the pump.
- Check for external damage and move the pump to a cleaning area.
- 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 the cleaning product used.
- 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). Allow surface to thoroughly dry after cleaning.
- After the pump is thoroughly cleaned and dried, proceed to plug in the pump and test to see if it runs normally.

## BUBBLE PAD

- Any obvious blood spots should be cleaned thoroughly with 1:9 Hypochlorite solution (1 part bleach to 9 parts water) and allow drying for at least 10 minutes. Then blot with a clean, damp cloth.
- Brush or wipe down all surfaces with soap and water before applying any liquid.
- Allow it to thoroughly air dry. Once the inside is dry, turn it back: wipe down the outside of the bag with disinfectant.
- Dry the bubble pad away from direct sunlight after cleaning.

## HANDLING AND STORAGE

- Lay the bubble pad flat. Fold or roll it carefully.
- Unplug the pump and store 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 connection port. The airflow should alternate between ports every half-cycle time.

## SPECIFICATIONS

PUMP	SPECIFICATIONS
Power Supply	110V/60Hz
Air Output	>4 liter/min
Pressure Range	45 mmHg – 110 mmHg
Cycle Time	12 min.
Power Consumption	7W
Fuse	1A
Size	8.8 x 4.2 x 4 in
Weight	3.1 lbs

MATTRESS	SPECIFICATIONS
Size	78 x 35.4 x 2.5 in Inflated
Cells	130 Bubble Cells
Material	PVC (EN-71, Low Toxic)
Color	Beige

## WARRANTY

Your McKesson brand product is warranted to be free of defects in materials and workmanship for one year of the original consumer purchaser for the pump and 90 days for the pad. This device was built to exacting standards and carefully inspected prior to shipment. This 1 Year Limited Warranty is an expression of our confidence in the materials and workmanship of our products and our assurance to the consumer of years of dependable service. This warranty does not cover device failure due to owner misuse or negligence, or normal wear and tear. The warranty does not extend to non-durable components, such as rubber accessories, casters, and grips, which are subject to normal wear and need periodic replacement.

If you have a question about your McKesson device or this warranty, please contact an authorized dealer.



**WARNING:** This product can expose you to di(2-ethylhexyl) phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**ADVERTENCIA:** Este producto puede exponerle a químicos incluyendo Ftalato de bis(2-etilhexilo) (DEHP), que es conocido por el Estado de California como causante de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información, visite [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**AVERTISSEMENT:** Ce produit peut vous exposer à des agents chimiques, y compris phtalate de di(2-éthylhexyle) (DEHP), identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Store in a cool, dry, and well-ventilated area.

Not made with natural rubber latex.

Drive™ is a trademark of Medical Depot, Inc.

Technical support, replacement parts and warranty information? Call 1-866-694-5085

General product questions? Call 1-800-777-4908

## Satisfaction Guaranteed

For complete details, please visit  
[mms.mckesson.com/mckesson-brands](http://mms.mckesson.com/mckesson-brands).

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