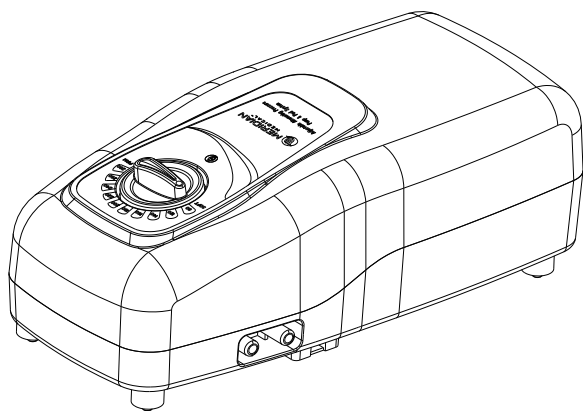




# Satin-Air™ APP

## Operating Manual

Weight Capacity: 300 lb



# IMPORTANT SAFEGUARDS

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



It is important that you read all the warning and precautions included in this manual because they are intended to keep you safe, prevent injury and avoid a situation that could result in damage to the device.

**WEIGHT CAPACITY:** 300 lb. (136 kg)

## DANGER

To reduce the risk of electric shock:

- **ALWAYS** unplug this product immediately after using.
- **DO NOT** place or store product where it can fall or be pulled into a tub or sink.
- **DO NOT** reach for a product that has fallen into water. Unplug immediately.

## WARNING

To reduce the risk of burns, electric shock, fire, or injury:

- This product should **NEVER** be left unattended when plugged in.
- Close supervision is necessary when this product is used by, on, or near children or invalids.
- 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, is not working properly, has been dropped or damaged, or has fallen into water. Return the product to a service center for examination and repair.
- Keep the cord away from heated surfaces and open flames.
- **NEVER** block the air openings of this product or place it on a soft surface, such as a bed or couch, where the openings may be blocked. Keep the air openings free of lint, hair, and other similar particles.
- **NEVER** drop or insert any object into any opening or hose.
- Connect this product to a properly grounded outlet only. See page 9 for grounding instructions.
- **DO NOT** use outdoors or operate where aerosol (spray) products are being used.

## IMPORTANT SAFEGUARDS (con't.)

### WARNING

- **DO NOT** operate this product in an oxygen-enriched environment (i.e. oxygen tent or oxygen hood) or in environments where flammable or explosive liquids or vapors may exist.
- **DO NOT** use this product with individuals using cervical or skeletal traction or with unstable spinal core injuries.
- Use of this product **DOES NOT** replace the need for regular patient care to prevent bed sores. Consult with a healthcare provider for specific instructions.
- **DO NOT** cover pump with flammable/heat-retaining materials during use.

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# INTRODUCTION

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

## General Information

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

The Satin-Air APP has been tested and certified to the following standards:

- UL 1431 (excluding EN 60601-1 & EN 60601-1-2)
- EN 60601-1
- EN 60601-1-2

## Intended Use

The Satin-Air APP is intended to reduce the incidence of pressure ulcers while optimizing patient comfort. It also provides the following:

- Individual home care setting and long-term care
- Pain management related to pressure ulcers 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

# INSTALLATION

Unpack the box and check for any damage. If damaged **DO NOT USE**, please contact your dealer immediately.

## Pump & Bubble Pad Installation

1. Place the bubble pad flat on the bed mattress and secure with flaps. The inflation tube should be towards the foot of the bed so that it can be connected to the inflation nozzle on the pump.
2. Cover with a cotton sheet to avoid direct skin contact and reduce friction.
3. Hang the Satin-Air APP Pump over the frame or foot board of the bed. Make sure the pump is secured.
4. Connect the inflation tubes from the bubble pad to the pump's inflating nozzle. Make sure they are properly attached.
5. Make sure the air hose is not kinked or tucked under the bubble pad.
6. Before plugging in the Satin-Air APP Pump, make sure the voltage of the electrical socket is compatible with AC120V/60Hz output.



### CAUTION

- **DO NOT** position any of the equipment where it will make it difficult to disconnect the power cord from outlet.
- Keep the power cord away from patient to prevent injuries such as strangulation. Secure the power cord to prevent injuries such as tripping and to prevent the cord from getting caught in the bed frame.
- Make sure to disconnect the pump by unplugging the power cord when it is not in use.

# OPERATION

## Turning ON the power

When the power switch is pushed to the "**ON**" position, the switch will light up green to signal the Satin-Air APP Pump is inflating the bubble pad. To save time during the first inflation, turn the pressure knob to the firm position. Once inflated, adjust to the desired firmness.

## Pressure Adjustment

It is recommended that the pressure-adjustment knob is turned to firm when the bubble pad is inflated for the first time. Users can then easily adjust the pressure level of the bubble pad to a desired firmness or according to the suggestion from a health care professional.

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

## For Patients:

### WARNING

- **DO NOT** use another pump other than the Satin-Air APP Pump supplied with this bubble pad. This may result in bubble-puncture.
- **DO NOT** change any component by yourself. If replacement or repair is needed, contact your local dealer or service center.

## CLEANING

This section describes the procedures to clean and decontaminate the APP system. It is important to follow these procedures before using the system on patients.

### Pump

- **BEFORE** cleaning, unplug the system from the electrical socket.
- **DO NOT** immerse or soak pump in water.
- Check for external damage and move the pump to clean, flat and level work surface where you will be able to clean your Satin-Air APP Pump.
- Place the pump on the work surface
- Spray a cloth with a quaternary ammonium solution first and wipe the outside of the case and faceplate.
- **DO NOT** spray any cleaning solution directly on the surface.
- **DO NOT** use a Hypocarbonate or Phenolic based cleaning solution as this may cause damage to the case.
- **DO NOT** allow excess cleaning solution on faceplate or control panel. (If solution gets inside the pump, damage will occur.)
- Wipe with a clean cloth and make sure all areas are clean and dry (top, bottom and both sides).
- After the pump is thoroughly cleaned and dried, proceed to plug in the pump and test to see if it runs normally.
- Unplug the pump and store with proper identification tag.

## Bubble pad

- Wipe down all surfaces with soap and water before using any other disinfectant.
- Any obvious blood spots should be wet down thoroughly with a 1:9 Hypochlorite solution (1 part bleach to 9 parts water) and allowed to dry for at least 10 minutes. Then blot with a clean, damp cloth.
- Dry the bubble pad in a SUNLESS area after cleaning.

## MAINTENANCE

### General

- Regularly check the power cord and plug to inspect for abrasions or excessive wear.
- Regularly inspect the bubble pad for signs of wear or damage.
- Ensure bubble pad and tubes are connected together correctly.
- Plug in the pump and check the airflow from the hose connection port. Regularly inspect the air hose for any kinks or breaks. For replacement parts, please contact your local agent or dealer.

### Low pressure

If you are experiencing lower than normal pressure from your bubble pad, check the following:

- Check connections between the air bubble pad and pump. If they are loose or disconnected; reconnect them.
- Ensure each single cell is not broken. Set pressure dial to firm and keep the tubes fully inflated and inspect for air leakage. If any leakage occurs, please contact your local dealer.

## HANDLING AND STORAGE

- Remove all hoses and sheets.
- Completely deflate the bubble pad.
- Lay the bubble pad out flat.
- Roll or fold the bubble pad for storage.



# SPECIFICATIONS

## Pump Specifications

Item	Specification
Pump Size	24.5cm x 12cm x 9.3cm (9.6" x 4.7" x 3.2")
Pump Weight	1.1 kg (2.4 lb)
Type	Analog
Power Supply	120V/60Hz
Power Cord	Power Cord Type: Non-detachable Plug Type: SVT Grade: Household, 3-PIN Length: 4.5M
Fuse	1A
Pressure Range	45mmHg ~ 110mmHg
Air Flow	5 LPM
Outlet	Quick Release / O.D. 18.5mm/1 way
Cycle Time	10 min.
Regulation	UL 1431 (UL & cUL) FDA 21 CFR part 820/Class II
IP Rating	IP21
Type BF	Use directly on human body with adequate protection from electrical shock
Weight Capacity	300 lb (136 kg)
Environment / Temperature	Temperature: Operation 50°F ~ 95°F (10 ~ 35°C) Storage 5°F ~ 122°F (-15 ~ 50°C) Shipping 5°F ~ 158°F (-15 ~ 70°C) Humidity: Operation 20% ~ 80% non-condensing Storage 10% ~ 90% non-condensing
Humidity	Storage: 10% – 90% non-condensing
Warranty	1 year warranty on pump and 90 days on bubble pad

## Bubble pad Specifications

Item	Specification
Bubble Pad Size	280cm x 90cm x 6.5 cm (110" x 35" x 2.5")
Bubble Pad Weight	2.2kg (4.85 lb.)
Bubble Size	89cm x 10cm x 25cm (35" x 4" x 9.8")
Material	PVC (EN-71, low toxic)
Color	Beige
Total Bubbles	130 (Without vents and with end flaps)

## GROUNDING INSTRUCTIONS

### Three-Wire Plug Ground Instructions

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. This plug must be plugged into an outlet that is installed properly and grounded in accordance with all local codes and ordinances.

#### 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 wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes 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.

## LIMITED WARRANTY

**Please contact your dealer in case of a claim under the warranty.**

Your Meridian Medical brand product is warranted to be free of defects in materials and workmanship for one year on the pump and 90 days on the mattress pad.

This device was built to exacting standards and carefully inspected prior to shipment. Your Meridian Medical brand product is warranted to be free of defects in materials and workmanship. If within such warranty period, the product proves defective, the product will be repaired or replaced, at the option of Compass Health Brands Corp.

This warranty does not cover device failure due to owner misuse or negligence, or normal wear and tear. The warranty does not extend to nondurable components, which are subject to normal wear and need periodic replacement.

This warranty shall not apply to serial numbered products if the serial number has been removed or defaced, or to defects or damages caused by unauthorized parts, attachments or repairs, negligence, accident, or any circumstance beyond Compass Health Brands Corp. control, such as improper operation, maintenance or storage.

If you have any questions about your Meridian Medical product or this warranty, please contact an authorized Compass Health Brands Corp. Dealer.

# **COMPASSHEALTH**

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