



## AME PRESSUREGUARD® APM<sup>2</sup>

The **PressureGuard® APM<sup>2</sup>** enables you to change instantly and easily from alternating pressure to basic lateral rotation with a single, recessed toggle switch. The silent, reliable, maintenance-free control unit allows simple adjustment for user comfort.

With its two distinct therapy modes, the APM2 gives you twice the treatment options. Twice the flexibility. Twice the value. Change instantly and easily from alternating pressure to basic lateral rotation with a single, recessed toggle switch. Requires no disconnecting or exchanging of air lines. And, when ordered with the new Deluxe control unit, the APM2 offers even more value. Selectable audible alarm can be engaged to alert caregiver to low pressure status. The “Low Pressure” indicator light gives users at-a-glance assurance of proper function.



### Key Product Features

- Therapeutic Geo Matt anti-shearing top surface
- Two-part Safety Edge; Smooth, subtle shifts in weight-bearing in ten-minute cycles without sharp pressure drop-offs
- Weight limit 350 lbs.
- Mattress weight 20 lbs.
- Pump weight 5.25 lbs.
- 18 Month warranty. UL listed

#### Primary Use:

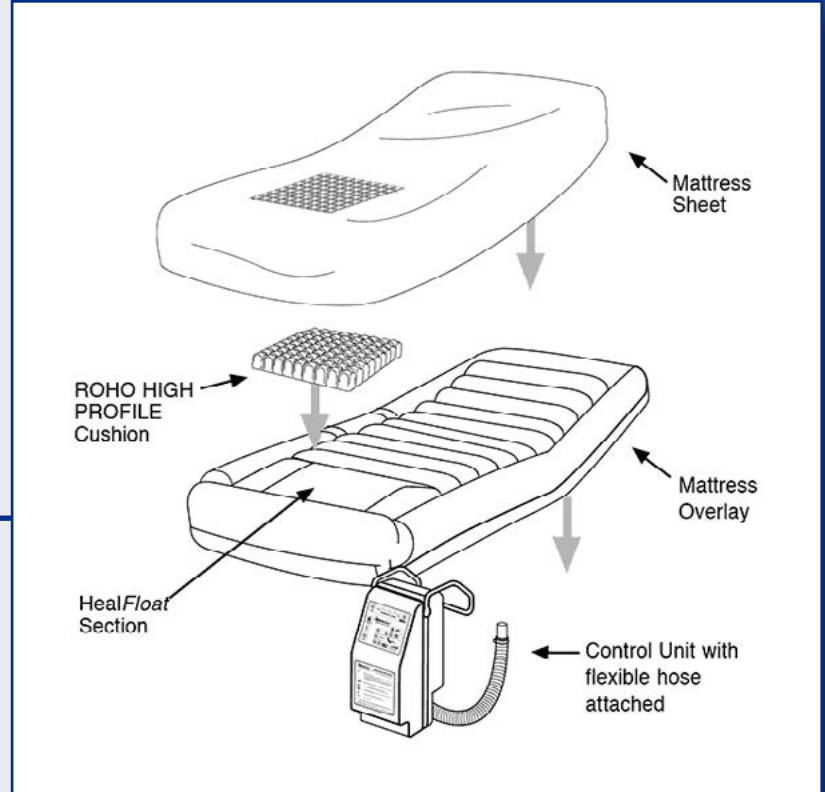
- Aggressive Treatment of Pressure Ulcers

#### Patient Indications:

- Cant or wont reposition frequently
- Can be positioned off of ulcer in at least 2 positions
- Prevention for those at high risk for skin breakdown(e.g. Braden score 12 or less)

#### Key Advantages:

- Two therapies in one mattress
- Single switch operation
- PressureGuard® design: stability, safety, anti-shearing





## ASSEMBLY

**DESCRIPTION:** The system consists of a foam shell with a high-density foam topper serving as the support surface underneath the patient. The foam shell also includes contoured foam bolsters at the sides and ends of the mattress, providing added patient stability and positioning. The system also includes the unique Heel Slope™ feature, designed to further reduce pressure for the sensitive heel area. Within the foam shell is housed the inflation system, consisting of air cylinders which run lengthwise within the mattress. The air Control Unit connects to the mattress at the patient foot-end.

**INDICATIONS FOR USE:**

PressureGuard® APM 2 models are powered, flotation therapy mattresses providing a pressure management surface for the prevention and treatment of pressure ulcers. The lateral rotation mode is indicated for use as a preventive tool against further complications associated with critically ill patients or immobility.

**MODES OF OPERATION:**

The PressureGuard® APM 2 provides options of alternating pressure or basic lateral rotation in 10-minute cycles.





## WARNINGS



1. Always unplug this unit immediately after using.
2. Do not operate near water.
3. Do not place or store product where it can fall or be pulled into a tub or sink.
4. Do not place in or drop into water or other liquid.
5. Do not reach for a product that has fallen into water. Unplug immediately.
6. Use this unit only for its intended use as described in the operating instructions.
7. 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. Contact Span-America Medical Systems, Inc., for return of Control Unit for examination and repair.
8. Keep the cord away from heated surfaces.
9. Never drop or insert any object into any opening or hose.
10. Do not use outdoors.



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

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3. Keep the cord away from heated surfaces. Discontinue use if power cord is damaged or worn.
4. Never drop or insert any object into any opening or hose. Keep away from sharp objects.
5. Do not use outdoors..
6. Possible explosion hazard if used in the immediate proximity of flammable gases (risk of explosion).
7. Use only original spare parts and consumables.
8. Keep power cord away from heated surfaces
9. Plug this product into a correctly grounded outlet only.
10. Before cleaning, unplug unit from its power source. Failure to do so could result in personal injury or equipment damage.
11. Do not use harsh cleansers, solvents, or detergents. Do not expose the unit to excessive moisture. Equipment damage could occur.



## DIRECTIONS FOR SET UP

1. Place the PressureGuard mattress on the bed frame with the air line connectors at the foot end of the bed. Hospital-grade models have a gray vinyl side that should be down on the bed frame, and a green fabric side that should be face up toward the patient. In-home models have a light blue cloth side that should be face down on the bed frame, and a dark blue fabric that should be face up toward the patient.
2. Hang the PressureGuard control unit on the end of the bed using the hangers, or place on a stable horizontal surface. Connect airlines to control unit, using end with one male and one female connector. (Figure A) Audible “click” indicates secure connection.
3. Connect the ends of the air lines with two male connectors to the mattress. Ensure that the air lines are not kinked or twisted. Push in securely until you hear a “click”.
4. Ensure that the Toggle switch is in the “Alternating Pressure” position.
5. Ensure On/Off switch is “Off”. Plug power cord into wall outlet. Press On/Off switch “ON”.
6. Allow the mattress 20 minutes to inflate fully. The surface is ready for patient use when the “Low Pressure” indicator light turns off.



**FIGURE A**



## DIRECTIONS FOR SET UP



**FIGURE B**

7. After preparing the patient surface, place the patient on the system. Initially set the “Comfort Setting” knob on the control panel to softest selection. (Figure B) Adjust as necessary for patient comfort.
  8. Place the mattress toggle switch in “Alternating Pressure” or “Lateral Rotation” mode as desired.
  9. When the “Alarm On” light is on, alarm will sound if “Low Pressure” indicator light comes on. Press Alarm switch to silence. Note: Will not alarm during first 45 minutes after plug-in.
- If “Low Pressure” indicator light comes on after initial set-up, check all connections. If light is still on after 30 minutes, call for service.



## DIRECTIONS FOR SET UP

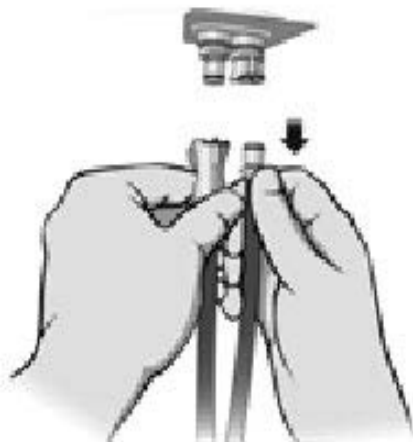


Figure 1

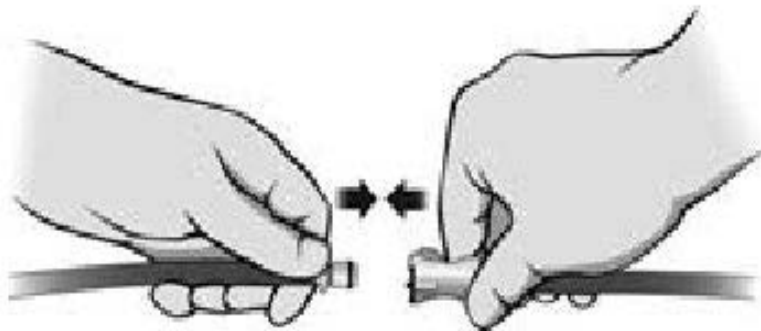


Figure 2

**POWER LOSS:** In case of loss of power, disconnect the air lines from the mattress BEFORE unplugging the Control Unit from the wall. This will seal the air in the mattress for days or weeks. See Note and Figure 1 and Figure 2 below.

**PATIENT TRANSPORT:** In case of loss of power, or while transporting a patient on the mattress, disconnect the air lines from the mattress BEFORE unplugging the Control Unit from the wall. This will seal the air in the mattress for days or weeks.

**NOTE:** If the air lines are green, you can keep them connected to the mattress, but disconnect them from the Control Unit (Figure 1) and insert them into each other as indicated in Figure 2 below. This will seal the air in the mattress for days or weeks.



## GENERAL DIRECTIONS

**BED LINENS:** Seven-inch deep fitted sheets are recommended. Multiple layering of linens or underpads beneath the patient should be avoided for the prevention and treatment of pressure ulcers. For Safety Supreme version, it may be easier to use flat sheets, knitted stretchfit sheets, or deep-pocket fitted sheets. **CAUTION:** Be careful not to puncture the mattress with needles or sharp instruments. This may result in loss of integrity of the cover or internal air system. Regularly inspect the mattress cover for cuts, rips, cracks or tears. Do not use the mattress if the cover is damaged.

**BED RAILS:** Due to concerns over the possibility of patient entrapment, Span-America recognizes that the use of rails of any length is a matter currently addressed by various regulations from local, national and international government agencies, and by individual facility protocol. It is the responsibility of the facility to be in compliance with these laws, which typically require that decisions on the use of bed rails of any type are based on assessment of the physical and mental status of each patient individually. If bedrails are needed by the patient to prevent fall-related injury, as determined by this assessment, we recommend that the bedrails be locked in the up position at all times.

**CPR:** The Standards for Life Support recommended by the American Heart Association for performing CPR recommend a hard level surface for performing CPR. This means moving the person to the floor if possible. For performing CPR:

1. Place a crashboard beneath the patient.
2. Select the "Alternating Pressure" mode.
3. Set the Comfort Setting knob to firmest setting.
4. Follow CPR procedures.

**STORAGE:** Always store the surface flat on a clean, level surface. Avoid storage of other equipment on top of the mattress.

**WARRANTY:** All models are unconditionally guaranteed against failure due to manufacturing defects under normal use for 18 months.

**USE IN WOUND CARE:** Use of PressureGuard® APM2 models is only one element of care in the prevention and treatment of pressure ulcers. Frequent repositioning, proper care, routine skin assessment, wound treatment and proper nutrition are but a few of the elements required in the prevention and treatment of pressure ulcers. As there are many factors that may influence the development of a pressure ulcer for each individual, the ultimate responsibility in the prevention and treatment of pressure ulcers is with the health care professional.

**AIR FILTER PREVENTIVE MAINTENANCE:** The air filter for the Control Unit should be checked routinely for signs of dirt or contamination. The frequency for cleaning depends on the air quality. The air filter is accessible from the underside of the Control Unit - it is approximately two inches in diameter and covered by a clear plastic cover. As the filter is white, the need to clean is obvious. Simply remove the clear plastic cover, remove the filter, and hand wash using warm water and mild detergent. Rinse thoroughly and allow to air dry. Replace the filter and the clear plastic cover.



## CLEANING AND DISINFECTANTS

For the mattress, only the cover requires cleaning and maintenance. Disassembly of the support surface for maintenance of internal components of the Control Unit or mattress is not recommended.

Cover can be wiped clean with neutral suds and lukewarm water. Rinse and dry. For hard to clean spots, use standard liquid household/vinyl cleaners with a soft bristle brush.

**CAUTION: DO NOT USE HARSH CLEANERS OR SOLVENTS.**

For long-term incontinent applications, clean and disinfect cover daily. A scented cleaner/disinfectant is recommended. Iodophor type disinfectants (Betadine for example) will stain the fabric.

For disinfection, phenolic or quaternary type disinfectants are recommended. Disinfectants should be hospital grade (tuberculocidal). Follow manufacturer's instructions for use concentrations, contact times and rinsing.

Contamination with blood on the fabric can be disinfected with a 1:10 dilution of household bleach (5.25% sodium hypochlorite) as recommended by the CDC. The use of bleach at improper dilutions may result in fabric discoloration and fluid pass-through.

Where surveillance and epidemiology indicate ongoing transmission of *C. difficile*, an EPA registered hypochlorite-based disinfectant is recommended. Follow the manufacturer's instructions for use concentrations, contact times and rinsing. Generic sources of hypochlorite (e.g. household chlorine bleach) may also be used. Prepare the disinfection solution fresh daily at a 1:10 dilution. Improper dilutions may result in ineffectiveness and higher than recommended concentrations will damage the fabric. Note: alcohol-based disinfectants are not effective against *C. difficile* and should not be used to disinfect environmental services. For further information relative to this organism and infection control in the healthcare setting, please refer to [www.cdc.gov/ncidod/hip](http://www.cdc.gov/ncidod/hip).

Disinfect mattress covers following contamination with bodily fluids and between patients. Inspect the covers and zipper area for signs of damage, puncture, or wear that could result in fluid pass-through. If the cover is stained, soiled, or torn, inspect the internal components for signs of contamination.

Allow cover fabrics to air dry (approximately 20 – 30 minutes) before use.





## TECHNICAL SPECIFICATIONS

### **COVER:**

Bacteriostatic, flame resistant,  
fluid-proof, tear resistant

### **FOAM:**

High-density open-cell polyurethane.  
Conforms to NFPA 101  
small scale and Cal TB# 117.

### **AIR CYLINDERS:**

Urethane and/or Fabric Coated PVC

### **ELECTRICAL:**

All control units 120 V, 60 H.  
With respect to electric shock, fire and  
mechanical hazards only in  
accordance with UL 60601-1.  
With respect to electric shock, fire, mechanical  
and other specified  
hazards only in accordance with CAN/CSA  
C22.2 No. 601.1  
Medical equipment certified for Canada.

### **STANDARD**

SURFACE SIZES: (all are 7" high)

80"L X 35"W

84"L X 35"W

75"L X 35"W

80"L X 38"W - In-Home

75"L X 54"W - In-Home

80"L X 54"W - In-Home

80"L X 60"W - In-Home

### **MATTRESS HEIGHT:**

7" for all models; Safety Supreme  
has 9" high side bolsters.

### **WEIGHT LIMIT**

350 lbs. for standard models

### **CYCLE TIME:**

10 minutes

### **PLACEMENT:**

All mattresses can be placed directly on a  
hospital bed frame or standard bed frame or  
box spring.

### **WARRANTY:**

18 months, not pro-rated, against  
manufacturing defects.

### **FLAMMABILITY:**

All models comply with 2000 NFPA 101  
(Life Safety Code), Cal.  
TB #129 and 16 CFR 1632 and 1633.