

User Manual

Envy Line™: G Series™ Non-Powered Mattress System with Optional Control Unit



Rev. 2.0 #8047

SIZEWISE

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User Manual



NON-POWERED

Table of Contents	
Definition of Symbols	2
Manual Definitions	2
Warnings and Cautions	2
Device Information	3
Description of the Device	3
Specifications	4
Unpacking and Set-Up Instructions	6
Operating Instructions	8
Modes of Operation	8
Keypad Quick Reference	9
Patient Care Functions	10
Placing the Patient on the Mattress Surface	10
Positioning the Patient	10
Prone Position	10
Bedpan Placement & Removal	10
Removing the Patient from the Mattress Surface	11
Safety Tips	12
Seven Zones of Bed Rail Entrapment	12
Storage and Disposal	13
Mattress Cleaning Instructions	14
Approved Chemical List Extreme CARRFLEX™ Polycarbonate/Polyurethane	17
Laundry Instructions	19
Control Unit Cleaning Instructions	20
Maintenance	21
Troubleshooting	22
Warranty Information	23
60 Month Limited Warranty	23
5 Year Non-Prorated Warranty	23
User Assistance Information	24

Definition of Symbols

Manual Definitions

Throughout this manual different type fonts and icons are used to aid user readability and understanding of the content. Below are some examples.

Standard Text

Used for regular information.

Bold Face Text

Emphasizes a word or phrase.

NOTE:

SETS APART SPECIAL INFORMATION OR IMPORTANT INSTRUCTION CLARIFICATION.

Warnings and Cautions



Warnings/Cautions: This symbol is intended to alert the user to the presence of important operating, maintenance or servicing instructions. Disregarding a warning could result in patient and/or user injury as well as damage to equipment.



Electrical Shock Hazard Warning: This symbol is intended to alert the user to the presence of electrical shock hazards. It is important to follow all instructions and special procedures to avoid electrical shock to the operator, care provider and/or patient.

Device Information

Description of the Device

The system consists of a non-skid mattress base, a series of vented/foam filled air chambers, that are encased in a foam cavity, and a low friction, anti-shear top cover. A viscoelastic comfort layer foam topper is laminated to the top of the foam cavity and serves as the support surface underneath the patient. The foam cavity also includes bolsters at the sides and ends of the mattress, providing added patient stability and positioning. The system also includes a tapered heel section that is designed to further reduce pressure for the sensitive heel area. The air cells run laterally within the mattress. The optional air pump connects to the mattress at the patient foot end.



CAUTION: Use of the NP24, NP12, NP9 and NP4 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.

Purpose of the Device

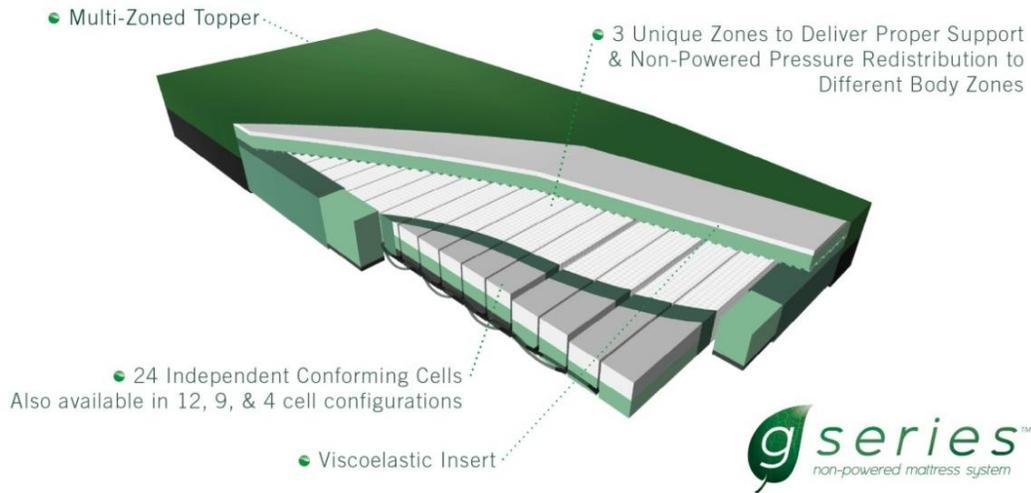
The NP4, NP9, NP12 and the NP24 non-powered systems provide non-powered zoned pressure redistribution or alternating pressure redistribution when utilizing a control unit. These systems are used for the prevention and treatment of pressure ulcers. The patient support surface fits any standard hospital bed. The NP24 and NP12 consist of air cylinders that run laterally underneath the entire body and are contained in a foam cavity. On top of the air cells is a viscoelastic foam comfort layer laminated to a either a foam comfort layer. The heel section of the mattress is tapered to further reduce pressure for the sensitive heel area. Both the air flotation system and the foam top surface aid in pressure redistribution and in maintaining low interface pressures throughout the surface. The optional alternating model comes with a quiet, energy-efficient pump that provides a 10, 15, 20 or 25 minute cycle time designed to maintain low interface pressures throughout the mattress, to redistribute peak interface pressures during the cycle and to further relieve peak pressure points as the cycle alternates. The inflation levels are designed to maintain low interface pressures throughout the mattress at all times. The surface is also designed to be affective during treatment of pressure ulcers by preventing further tissue breakdown.

The cover material is bacteriostatic, flame resistant, fluid proof, tear resistant, cleanable and replaceable. Since the cover does not allow fluids to penetrate the surface, maintenance is minimal. Clean and disinfect the outer surface using the cleaning protocol in this manual.

Indications for Use

The NP24, NP12, NP9 and NP4 are flotation therapy mattresses providing a pressure management surface for the prevention and treatment of pressure ulcers. The Alternating Pressure mode provided with the APM pump is indicated for use as a preventive tool against further complications associated with critically ill, or immobile, patients.

Specifications



Dimensions

32" Wide Mattress	7" X 32" X 80" / 17.5 cm X 81 cm X 203 cm
35" Wide Mattress	7" X 35" X 75" / 17.5 cm X 89 cm X 191 cm
	7" X 35" X 80" / 17.5 cm X 89 cm X 203 cm
	7" X 35" X 84" / 17.5 cm X 89 cm X 213 cm
39" Wide Mattress	7" X 39" X 80" / 17.5 cm X 99 cm X 203 cm
42" Wide Mattress	7" X 42" X 80" / 17.5 cm X 107 cm X 203 cm
48" Wide Mattress	7" X 48" X 80" / 17.5 cm X 122 cm X 203 cm
54" Wide Mattress	7" X 54" X 80" / 17.5 cm X 137 cm X 203 cm
60" Wide Mattress	7" X 60" X 80" / 17.5 cm X 152 cm X 203 cm

Weight Capacity

32" Wide Mattress	500 lbs. / 227 kg
35" Wide Mattress	500 lbs. / 227 kg
39" Wide Mattress	750 lbs. / 340 kg
42" Wide Mattress	750 lbs. / 340 kg
48" Wide Mattress	1,000 lbs. / 454 kg
54" Wide Mattress	1,000 lbs. / 454 kg
60" Wide Mattress	1,000 lbs. / 454 kg

Physical Characteristics

Air Cells	70 Denier Nylon / Polyurethane Foam Filled
Foam	High-Density Polyurethane Open Cell Foam

Mattress Cover

The Mattress Cover is available in two different materials:

- **Nylon Taffeta**-Nylon Taffeta offers a bacteriostatic, flame resistant, fluid proof and tear resistant mattress cover. Nylon Taffeta is a cost effective mattress cover.
- **Extreme CARRFLEX** is a Polycarbonate-Polyurethane material blend that offers a bacteriostatic, flame resistant, fluid proof and tear resistant mattress cover. Extreme CARRFLEX is resistant to a wide variety of cleaning chemicals that are typically problematic with materials used in the medical industry concerning degradation. Extreme CARRFLEX resists breakdown with disinfectants and cleaners based on Chlorine, Alcohol, Peroxide, Quaternary Ammonium, Chloramine, and Phenol.

NP24, NP12, NP9 and NP4

Non-Powered, self-adjusting mattress systems.

Control Unit (optional)

Provides a 10, 15, 20 or 25 minute cycle time designed to maintain low interface pressures throughout the mattress, to redistribute peak interface pressures during the cycle and to further relieve peak pressure points as the cycle alternates.

Unpacking and Set-Up Instructions

Unpacking/Parts Breakdown

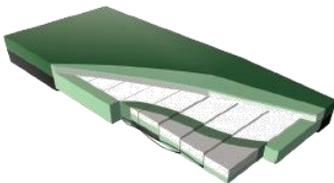
- Foam Comfort Layer:**.....A layer of high density viscoelastic memory foam for added patient comfort is laminated to a polyurethane foam layer that is then laminated to the foam cavity.
- Foam Cavity:**A foam cavity is used to contain the air cells and stabilize the entire surface. This foam cavity provides added edge support and is tapered at the foot end to provide additional pressure relief in the heel section.
- Air Cells:**24, 12, 9 or 4 foam filled polyurethane air cells are divided into three separate pressure zones. By utilizing different foam densities (firmness types) the air cells are specifically designed to meet the pressure needs for the different zones of the body.
- Cover:**.....The bacteriostatic top fabric is fire resistant, fluid proof, tear resistant, cleanable and replaceable. It consists of either a nylon cover, polycarbonate/polyurethane cover or a 4-way stretchable cover.
- Mattress Height:**.....The total pressure management surface height is 7” (18 cm).
- Friction/Shear:**All cover choices serve to reduce friction and shear.
- Replacement Mattress:**.....The mattress can be placed directly on a hospital bed frame.
- Pressure Management:**.....This combination air/foam replacement mattress system is designed to provide pressure management in the prevention and treatment of pressure ulcers.
- Fire Barrier:**Internal fire barrier encases internal components in order to meet all currently designated fire safety codes.

Unpacking Instructions (no tools required):

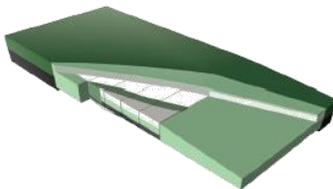
Remove the products from the packing material and examine for shipping damage. If damage is detected in shipping, contact the freight company and file a damage complaint immediately.

Cell Configuration Options

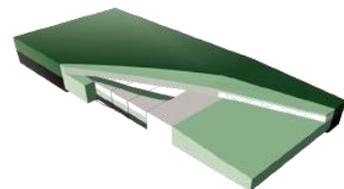
- Envy Line™ G Series™ 12 Cell



- Envy Line™ G Series™ 9 Cell



- Envy Line™ G Series™ 4 Cell



Set-Up on Sizewise Bed Frames

Follow these steps for installation on Sizewise (and most non-Sizewise) bedframes:

1. Verify mattress is the correct size for the bed frame top deck. Refer to Side Rail Entrapment Guidelines. (Table of Contents)
2. Place bed frame in flat position.
3. Install the mattress with the sloped heel section toward the foot of the bed.
4. Connect control unit (optional) and perform safety checklist in maintenance section. (See Table of Contents)
5. Disinfect mattress prior to patient use. Refer to Mattress Cleaning Instructions (See table of Contents)

Warning or Safety Instructions relating to set-up:

NOTE: Use of the NP24, NP12, NP9 and NP4 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.



WARNING: Make sure power cord is plugged into a properly grounded AC 110V outlet.



Shown on SW Evolution™

Operating Instructions

Modes of Operation

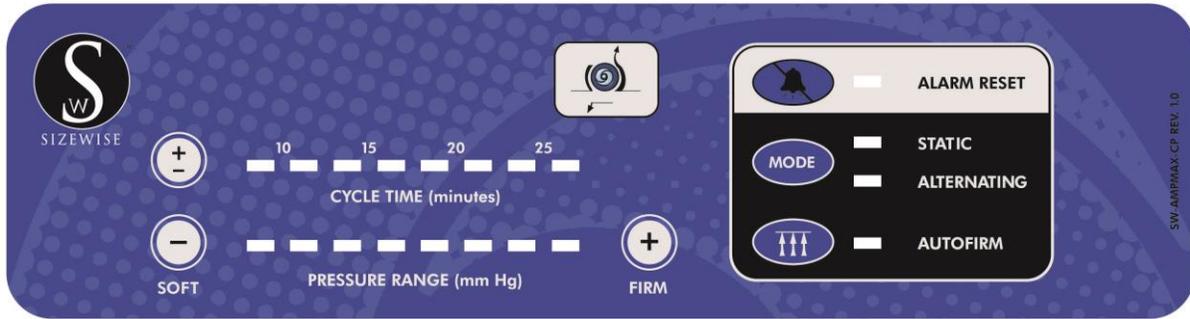
The NP24, NP12, NP9 and NP4 mattresses provide static non-powered pressure redistribution. Using the optional control unit provides alternating pressure in 10, 15, 20 or 25 minute cycle times.

1. Place the NP24, NP12, NP9 and NP4 mattress on the bed frame with the sloped heel zone and connectors at the foot of the bed.
2. If using the control unit, hang unit on the end of the bed using the hangers, or place on a stable horizontal surface.
3. To connect the control unit, insert the connectors at the end of the external manifold into the corresponding connectors on the side of the mattress. Ensure the hoses are not "kinked" or "twisted". Push in securely until a "click" sounds. Next connect the opposite end of the hose assembly to the alternating pressure controller.

Control Unit Operation (optional)

1. Turn Master Power switch to the ON position. A beep will sound at start of operation.
2. When power is turned ON, the control unit will indicate Alternating Pressure mode. It will first inflate all mattress air cells to 30mmHg and then enter Alternation mode.
3. The alternating cycle time and pressure level are preset to the middle settings. Select from the touch panel to adjust the cycle time and pressure level. It is recommended to set the pressure level at a low setting.
4. For quick deflation:
 - a. Turn power OFF.
 - b. Remove the hoses from the control unit.
5. Low Pressure alarm
 - a. The Low Pressure alarm will sound if the mattress has not reached 30mmHg after 45 minutes when first turned on.
 - b. During normal operation the unit will constantly monitor air pressure. If the unit senses a drop in pressure after reaching an input setting, the alarm will beep and the LED will come on.
 - i. Press the Alarm Reset button to silence the audible alarm. The LED will start blinking. Press the Alarm Reset button again to turn the audible alarm back on and the LED will remain constantly on.
6. CPR
 - a. The standards for life support recommended by the American Heart Association for performing CardioPulmonary Resuscitation (CPR) recommend a hard level surface for performing CPR, moving the person to the floor if possible. For performing CPR on the NP24, NP12, NP9 or NP4, place a CPR board underneath the patient and follow standard CPR procedures/protocols of the facility.
7. Autofirm
 - a. Press the Autofirm button to automatically inflate the mattress to the maximum level. The pressure will return to a previously set level after 30 minutes.

Keypad Quick Reference



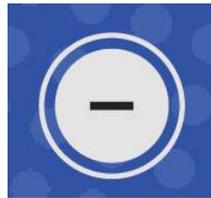
Alarm Reset
Resets the audible alarm.



Cycle Time
Press to change the cycle time.



Mode
Push to select either “Static” or “Alternate” therapy mode.



Soft
Press to decrease firmness to the mattress.



Autofirm
Quickly inflates mattress to maximum firmness. Unit returns to previous setting after 30 minutes.



Firm
Press to increase firmness to the mattress.

Patient Care Functions

Placing the Patient on the Mattress Surface

Place the patient on the mattress surface from a bed or stretcher with a transfer device. The mattress should be set in the Auto Firm mode.

1. Once fully inflated, position the patient in the center of the mattress with an equal distance between the head and the top of the mattress and the feet and the foot of the mattress.
2. Set the control unit to the desired operational mode.
3. Make sure the patient has not “bottomed-out” on the foam pad in the base of the mattress.
4. The patient should be slightly immersed into the mattress but not “bottomed-out”. Use the Soft/Firm button to make adjustments to the default settings if the patient needs firmer or softer settings.
5. Observe the patient for a short time to make sure the patient is stable on the mattress surface and is not slowly sinking further into the mattress. Increase the firmness setting if the patient continues to sink into the mattress surface.

Positioning the Patient

When moving a patient the control unit should be in the Auto firm Mode.

To reposition the patient, change the control unit to Auto Firm Mode. This makes the mattress surface firm and facilitates the repositioning of the patient with less strain on the care provider. When the patient has been repositioned, press auto firm to return to the previous setting.

NOTE: DO NOT leave a patient unattended on the mattress surface with the safety side rails in the down position. When leaving a patient, secure the safety side rails in the up position. Make sure the safety side rails are high enough to properly protect the patient when the mattress is fully inflated, while continuing to be mindful of the FDA guidelines on bed rail entrapment.

Backrest Up or Fowler Position

When the patient’s backrest is elevated, it may be necessary to manually increase the mattress firmness to compensate for the additional weight placed in the center portion of the mattress. Observe the patient for a short time after raising the backrest to make sure the buttocks and thigh areas are not “bottomed-out”.

Prone Position

DO NOT leave a prone patient on the mattress surface. If the patient is unable to move without help, the patient’s airway may be compromised. If the patient is to be kept prone for an extended period of time, consult a Sizewise representative for assistance.

Bedpan Placement & Removal

Position the patient’s hips over the center of the mattress. Using Static Mode, lower the pressure setting with the Firm/Soft button. Turn the patient into the side-lying position and place the bedpan.

The pressure in the center section of the mattress will lower to make inserting the bedpan easier. The firmness setting may be adjusted to increase the firmness of the center section after the pan is placed in position.

When the bedpan is to be removed, logroll the patient off the bedpan and remove it. Readjust the firmness level to the appropriate setting. Select Static mode and wait for the mattress to completely re-inflate before activating alternating pressure mode again.

NOTE: Always remove the bedpan before entering the Alternating Pressure mode.

Removing the Patient from the Mattress Surface

If the patient is to be removed with a lift and transfer, set the control unit into Auto Firm mode. Allow the mattress to firm and position the patient into the lift. When the patient has exited the bed, the control unit can be turned off.

If the patient can sit up and is mobile, lower the firmness level to the lowest setting and wait for the mattress to soften in the middle. The patient can sit up and the mattress will conform to the body making a more stable platform for patient egress. When the patient has exited the bed, the control unit can be turned off.

Safety Tips

Seven Zones of Bed Rail Entrapment

If the patient would have any clinical conditions that could result in risk of falling or improperly lying in bed, the bed should be left at its lowest setting and in flat position when not attended. Sizewise recommends the use of bed rails if they are available. There are seven zones of bed rail entrapment.



WARNING: Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise recommends the care provider be mindful of the FDA guidelines relevant to bed rail entrapment, as serious injury can result. These guidelines can be found on the FDA website. When using an Air Therapy system the care provider is responsible for ensuring the mattress properly fits the bed frame. It is also the care provider's ultimate decision whether or not to use bed rails with the patient.

Zone 1: Within the Rail

Zone 2: Under the Rail, Between the Rail Supports or Next to a Single Rail Support

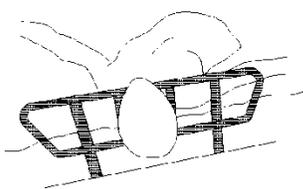
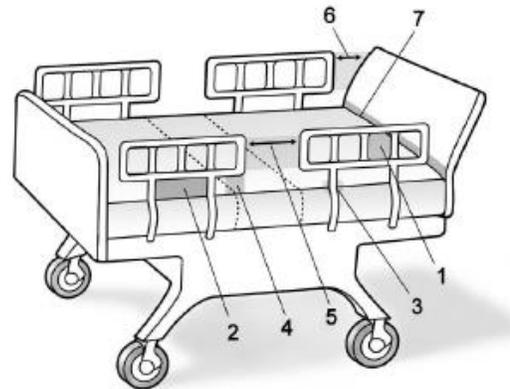
Zone 3: Between the Rail and the Mattress

Zone 4: Under the Rail, at the Ends of the Rail

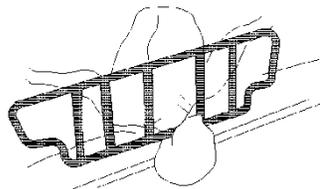
Zone 5: Between Split Bed Rails

Zone 6: Between the End of the Rail and the Side Edge of the Head or Footboard

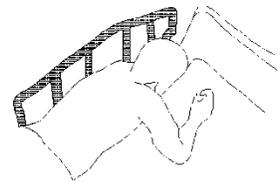
Zone 7: Between the Head or Footboard and the Mattress End



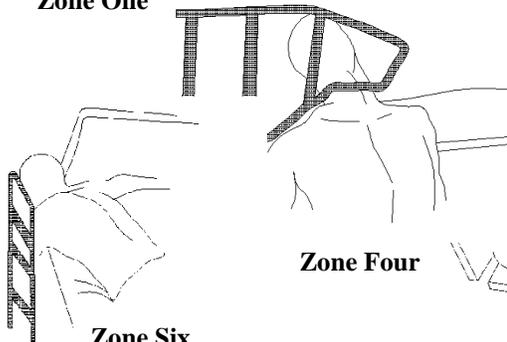
Zone One



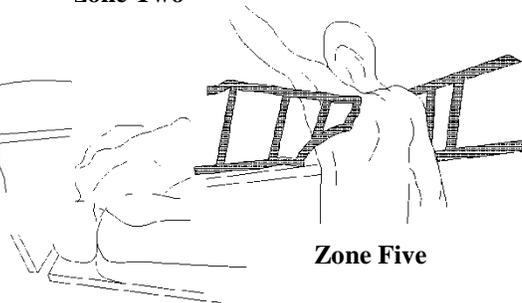
Zone Two



Zone Three



Zone Four



Zone Five

Zone Six

Zone Seven

Storage and Disposal

Always store the surface flat on a clean, level surface. Avoid storage of other equipment on top of the support surface. DO NOT expose the control unit to humidity greater than 95%.

End-of life Sizewise products must be disposed of properly according to local laws and regulations. Please contact Sizewise or your local authorities for disposal and recycling options.

Important Safety Instructions

Unpacking and Set-Up Instructions

- Keep out of direct sunlight.
- (110V unit ONLY) Ensure the power cord is plugged into a properly grounded AC 110V outlet.

Safety Tips

- Medical equipment should not be used, stacked or located on or around equipment that may create electromagnetic interferences.
- Using other manufacturers' cables and accessories may affect EMC performance. Unauthorized use of these items will void warranty and could result in patient and/or user injury as well as damage to equipment or other property.
- The use of cables or accessories other than those for which the blower was designed or tested can significantly degrade emissions and immunity performance.
- DO NOT use the device if the power cord is cut, frayed or loosely connected.

Mattress Cleaning Instructions

- It is recommended that gloves and protective clothing be worn at all times during cleaning and disinfecting.
- DO NOT autoclave.
- The mattress requires regular maintenance to ensure performance and avoid premature wear, damage and injury.

Troubleshooting

- Only authorized personnel should engage in the troubleshooting process. Troubleshooting by unauthorized persons could result in personal injury or equipment damage.
- To avoid electrical shock, DO NOT open the control unit. Refer servicing to qualified personnel only.

Mattress Cleaning Instructions

WARNING and CAUTION:



It is recommended that gloves and protective clothing be worn at all times during cleaning and disinfecting.

Do not autoclave.

NOTE: Improper cleaning, rinsing or the incorrect use of cleaning agents can lead to premature fabric discoloration and breakdown of the fabric's fluid-resistance, stain-resistance and fabric strength. Properly rinsing all cleaning agents and disinfecting chemicals is a critical step in extending the life of covers on medical mattresses and support surfaces.

Over time, cleaning solutions may cause damage to the integrity of the fabrics used for support surfaces. Cleaning agents that are strong enough to be efficacious cleaners and disinfectants may cause degradation of the same fabrics on which they are being used.

To minimize the negative impact of cleaning agents:

- Contact time must be monitored and kept to the required time identified on the manufacturer's instructions.
- All cleaning solutions must be diluted in accordance with manufacturer's instructions.
- All covers must be rinsed after every cleaning cycle. Rinsing of the support surface covers with clean water as the immediate step after the disinfection process is fundamental to extending the usable life of the covers.

NOTE: Only the outer cover of the mattress requires cleaning and maintenance. Disassembly of the support surface for maintenance of internal components is not recommended. Do not use harsh solvents or cleaners. Special care should be used to not puncture the mattress with needles or sharp instruments. This may result in loss of integrity of the mattress cover or internal components.

Mattress Top Covers

NOTE: There are significant differences between chemical cleaning agents that can be used concerning the two different available mattress materials.

Nylon Taffeta Mattress Top Cover:

Personal Protective Equipment should always be used as directed by the disinfectant's Material Safety Data Sheet.

1. Prepare the disinfectant according to the manufacturer's recommendations.
2. Prepare a separate bucket of warm, fresh water to be used for rinsing the equipment after cleaning/disinfecting procedures are completed as instructed.
3. All surfaces of the mattress are to be wiped using a coarse cloth dampened with the disinfectant, prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.

4. Allow the mattress shell to remain wet with disinfectant solution for the manufacturer's recommended contact time.
5. Stains on the mattress top cover may be treated using an approved stain remover, according to the manufacturer's recommendations.
6. Rinse all surfaces of the mattress with fresh water and clean cloth to remove chemical and organic residue.

Recommended EPA Registered Disinfectants:

Wex-Cide 128 (Wexford Labs), EPA Reg. #34810-31

Equipment must be disinfected using an EPA registered, hospital-grade disinfectant, according to the manufacturer's recommendations for use.

Recommended Stain Remover(s):

Stain Away (ABC Compounding)

This stain remover is effective in removing most difficult stains and is intended to be used in its original concentration.

***Clostridium difficile* (C. diff) Prevention:**

Clorox Germicidal Wipes (Clorox Professional Products Company), EPA Reg. #67619-12

These pre-moistened wipes meet the CDC's recommendations for *Clostridium difficile* (C.diff) bacteria, after the manufacturer's recommended "wet contact time".

1. Perform hand hygiene using soap and warm water, or hand sanitizer, and then put on disposable gloves and eye protection.
2. Use wipes to wipe the top and front of head/footboards, hand controls and cords, side rails and mattress top cover, making sure to wipe between the mattress and side rails.
3. Change wipes often to ensure that surfaces remain wet with disinfectant for the manufacturer's required contact time. Used wipes are to be discarded in the trash.
4. Remove disposable gloves and discard in the trash; perform hand hygiene using soap and warm water, or hand sanitizer, and then remove eye protection.

To reduce the discoloration of fabrics and degradation of the sleep surface lining, surfaces must be thoroughly rinsed with clean, fresh water to remove chemical residues immediately after the manufacturer's recommended "wet contact time" has been reached. The use of bleach-based solutions must be avoided whenever possible.

Extreme CARRFLEX™ Polycarbonate/Polyurethane Mattress Top Cover:

The polycarbonate polyurethane material is resistant to a wide variety of hospital cleaners and resists breakdown with disinfectants and cleaners based on Chlorine, Alcohol, Peroxide, Quaternary Ammonium, Chloramine and Phenol.

Personal Protective Equipment should always be used as directed by the disinfectant's Material Safety Data Sheet.

1. Prepare the disinfectant according to the manufacturer's recommendations.
 2. Prepare a separate bucket of warm, fresh water to be used for rinsing the equipment after cleaning/disinfecting procedures are completed as instructed.
 3. All surfaces of the mattress are to be wiped using a cloth dampened with the disinfectant, prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.
 4. Allow the mattress shell to remain wet with disinfectant solution for the manufacturer's recommended contact time.
 5. Stains on the mattress top cover may be treated using an approved stain remover, according to the manufacturer's recommendations.
 6. Rinse all surfaces of the mattress with fresh water and clean cloth to remove chemical and organic residue.
-
- **No Abrasives:** Abrasive cleaners and abrasive cleaning devices (scouring sponges) will dramatically reduce the life of any polyurethane surface. **Do Not Use Solvents!**
 - **Follow Dilution Recommendations:** One of the most significant errors in cleaning mattress surfaces is not diluting a cleaner according to manufacturer recommendations. Most surface cleaners are sold in concentrated forms and are intended to be diluted, usually with a large percentage of water. Failing to do this can shorten the life of the mattress surface significantly.
 - **Rinse After Using A Cleaning Agent:** When you wipe across a surface with a cleaner/chemical strong enough to kill bacteria, you must rinse afterward. Leaving the cleaner to dry on the surface will shorten its lifespan.

NOTE: Only the outer cover of the mattress requires cleaning and maintenance. Disassembly of the support surface for maintenance of internal components is not recommended. Special care should be used to not puncture the mattress which would result in loss of integrity of the mattress cover and/or internal components.

**Approved Chemical List for Extreme CARRFLEX™ Polycarbonate/Polyurethane
Mattress Top Cover**

PRODUCT	CONCENTRATION
ACTICHLOR PLUS	2000 PPM
ACTIMAX	ACCORDING TO MANUFACTURERS SPEC
ALCO-DC-7	ACCORDING TO MANUFACTURERS SPEC
ALCO SANNI	ACCORDING TO MANUFACTURERS SPEC
ARJO DISINFECTANT	ACCORDING TO MANUFACTURERS SPEC
ASEPTI ACTIVE WIPES	READY TO USE
ASEPTIC ACTIVE LIQUID	ACCORDING TO MANUFACTURERS SPEC
AZO MAX MULTI SURFACE WIPES	ACCORDING TO MANUFACTURERS SPEC
AZO WIPE HARD SURFACE WIPES	ACCORDING TO MANUFACTURERS SPEC
CID A-L CLEANER (SUREHANDS)	ACCORDING TO MANUFACTURERS SPEC
CIDAL DISINFECTANT CLEANER	ACCORDING TO MANUFACTURERS SPEC
CLINELL HAND & SURFACE SANITIZER DISINFECTANT	ACCORDING TO MANUFACTURERS SPEC
CLINELL UNIVERSAL SANITIZING WIPES	ACCORDING TO MANUFACTURERS SPEC
CLINELL DETERGENT WIPES	ACCORDING TO MANUFACTURERS SPEC
CLINELL SPORICIDAL WIPES	ACCORDING TO MANUFACTURERS SPEC
DISINFECTING WIPES	ACCORDING TO MANUFACTURERS SPEC
DISPATCH DISINFECTANT	ACCORDING TO MANUFACTURERS SPEC
DIVERCLEANSE	125 ML:4 LITRES WATER
ECOPINE	5% (1:20 WATER)
HYGENA WASH (SUREHANDS)	ACCORDING TO MANUFACTURERS SPEC
ISOPROPYL ALCOHOL	70%
ISOWIPES (KIMBERLY-CLARK)	READY TO USE
JUMBO LIV-WIPES	ACCORDING TO MANUFACTURERS SPEC
LEGGESIDE HB (LEGGE SYSTEMS)	ACCORDING TO MANUFACTURERS

	SPEC
LEMEX	ACCORDING TO MANUFACTURERS SPEC
MEDIWIPES DISINFECTION (SULCO LIMITED)	ACCORDING TO MANUFACTURERS SPEC
MILTON ANTI-BACTERIAL TABLETS	1 TABLET: 2 LITRES OF WATER
MULTIKLEEN	ACCORDING TO MANUFACTURERS SPEC
NEUTRAL DETERGENT WIPES (REYNARD HEALTH SUPPLIES)	ACCORDING TO MANUFACTURERS SPEC
NON ACID BATHROOM CLEANER (CERTO)	ACCORDING TO MANUFACTURERS SPEC
OASIS PRO 12 CLEANER	5% (1:20 WATER)
ODACON SPRAY	ACCORDING TO MANUFACTURERS SPEC
PAL DETERGENT WIPES	ACCORDING TO MANUFACTURERS SPEC
PUREGREEN 24 (PURE GREEN)	ACCORDING TO MANUFACTURERS SPEC
ROOM CARE R2L	ACCORDING TO MANUFACTURERS SPEC
SANICARE TBX	ACCORDING TO MANUFACTURERS SPEC
SANICARE DISINFECTANT WIPES (BUCKEYE INTL)	ACCORDING TO MANUFACTURERS SPEC
SODIUM HYPOCHLORITE	13000 PPM (1.3%)
SPRING CLEAN (ECO LAB)	5% SPRING CLEAN (1:20 WATER)
STERRIMATT (PURE) FOAM	READY TO USE
SUPER SANI CLOTH-GERMICIDAL DISPOSABLE WIPES (PDI)	ACCORDING TO MANUFACTURERS SPEC
SURFACE SANITIZING WIPES	ACCORDING TO MANUFACTURERS SPEC
TERMINATOR ONE STEP DISINFECTANT (BUCKEYE INTL)	ACCORDING TO MANUFACTURERS SPEC
THERASOL (SUREHANDS)	ACCORDING TO MANUFACTURERS SPEC
TRIGENE (BIO STRATEGY)	ACCORDING TO MANUFACTURERS SPEC
TRIX (SOAP)	READY TO USE
TUFFIE 5 CLEANING WIPES	ACCORDING TO MANUFACTURERS SPEC
TURBO CLEANER (SUREHANDS)	ACCORDING TO MANUFACTURERS SPEC
USEALL (TRUE BLUE CHEMICAL)	ACCORDING TO MANUFACTURERS SPEC

VIRACLEAN (WHITELY MEDICAL)	ACCORDING TO MANUFACTURERS SPEC
VIREX (DIVERSEY)	ACCORDING TO MANUFACTURERS SPEC
VIRKON (DUPONT)	5% VIRKON (1:20 WATER)

Equipment must be disinfected using an EPA registered, hospital-grade disinfectant, according to the manufacturer's recommendations for use.

Laundry Instructions

If additional cleaning is necessary, top covers may be removed and laundered using standard hospital disinfectant/detergent. **DO NOT use temperatures in excess of 120°F (49°C).**

1. Set washing machine to Regular Cycle.
2. Pre-soak with disinfectant/detergent in cold water for 10 minutes. **DO NOT USE HARSH SOLVENTS OR CLEANERS.**
3. Main wash cycle: 15 minutes (time dependent on soil level).
4. Rinse cycle: 5 minutes, minimum.
5. Spin/Drain cycle: 5 minutes, minimum.

After washing, the mattress top cover is to be air dried or dried in a dryer at very low or no heat to protect it from heat related damage.

Mattress Base:

1. Prepare the disinfectant according to the manufacturer's recommendations.
2. Prepare a separate bucket of warm, fresh water to be used for rinsing the equipment after cleaning/disinfecting procedures are completed as instructed.
3. All surfaces of the mattress are to be wiped using a coarse cloth dampened with the disinfectant, prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.
4. Allow the mattress shell to remain wet with disinfectant solution for the manufacturer's recommended contact time.
5. Stains on the mattress base may be treated using an approved stain remover, according to the manufacturer's recommendations.
6. Rinse all surfaces of the mattress with fresh water and a clean cloth to remove chemical and organic residue.
7. After washing, the mattress base must be allowed to air dry.

Cleaning Blood and Other Excretions:

Blood and other excretions should be wiped up while wet, if possible. These substances are more difficult to remove once they have dried to surfaces. Dried blood and other excretions are to be removed using ample disinfectant solution in order to moisten the substance and make it easier to clean.

Control Unit Cleaning Instructions

NOTE: Hand clean only. DO NOT place in sterilization room or chamber.

1. Personal Protective Equipment should be used as directed by the Material Safety Data Sheet for the disinfectant.
2. Prepare the disinfectant according to the manufacturer's recommendations.
3. Turn off the control unit and disconnect it from all electrical power to avoid electrical shock.
4. When cleaning the control unit avoid excessive moisture, especially in areas where there are electrical connections and components, to prevent damage.
5. All surfaces of the control unit and the power cord are to be wiped using a coarse cloth, dampened with the disinfectant solution prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.
6. Allow the control unit to remain wet with disinfectant solution for the manufacturer's recommended contact time.
7. Rinse all surfaces of the control unit with fresh water and use a clean cloth to remove chemical and organic residue.
8. After cleaning, all surfaces are to be dried with a clean, dry cloth.

Control unit air filters must be cleaned weekly. Replacement of the control unit air filter is recommended every 6 months.

1. Remove the air filter located on the back of the control unit.
2. Clean with prepared disinfectant solution and allow to air dry.
3. Reinstall the filter when dry.

NOTE: To keep equipment working efficiently and effectively for an extended time period, it is essential to make sure the equipment is cleaned regularly and well maintained.

Maintenance



CAUTION: The mattress requires regular maintenance to ensure performance and avoid premature wear, damage and injury.

Check the items on this chart at the indicated intervals. If any of the items are loose, worn, bent or distorted immediately have them checked and/or repaired by an authorized Sizewise technician. Frequent maintenance and servicing will improve performance and extend mattress life. For long term use, the following maintenance chart should be followed:

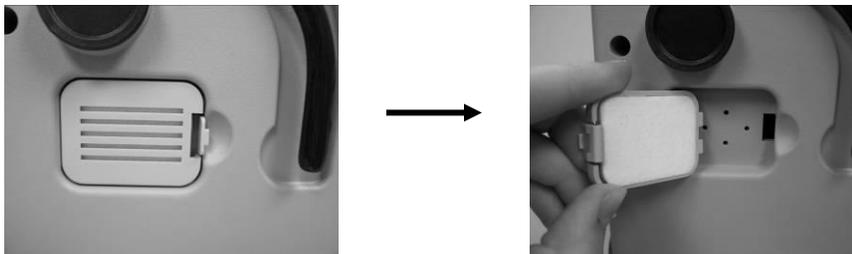
	Weekly	One Month	Three Months
Air Filter	X		
Top Cover		X	
Mattress Base		X	
Mattress Connections			X
Control Unit Operation			X
Power Cord			X

The following is an equipment safety checklist that can be used with the maintenance chart to maintain and service this product:

- Inspect top cover for punctures, rips, tears or damage.
- Inspect mattress base for punctures, rips, tears or damage.
- Connect the control unit and verify proper operation (if installed).
- Ensure air filter is clean and properly installed into control unit (if installed).
- Ensure mattress is clean/disinfected and patient ready.

All power cords are fastened in a manner to keep them free from moving or pinching parts. At any time parts are replaced, all cords should be secured into proper position to prevent damage.

Air filter on the back of the control unit must be cleaned weekly with warm disinfectant solution. Replacement of the filter is recommended every 6 months.



Remove the tan plastic cap to locate the small white filter underneath.

Troubleshooting



CAUTION: Only authorized personnel should engage in the troubleshooting process. Troubleshooting by unauthorized persons could result in personal injury or equipment damage.



WARNING: To avoid electrical shock, DO NOT open the control unit. Refer servicing to qualified personnel only.

If mattress is not inflating:

- Check that the hoses are not punctured, kinked or disconnected.
- Check for proper connections from the hoses to the control unit. Make sure they are secure.
- Check air filters on back of control unit and clean if necessary
- Ensure CPR release is in the closed position

If there is power loss:

- Check the ON/OFF switch.
- Check power cord for any damage.
- Unplug the Control Unit and check fuses located near the main ON/OFF switch. Replace fuse/s as necessary.

NOTE: If the troubleshooting process does not solve the problem please contact a Sizewise representative for service.

Warranty Information

Sizewise NP mattress air systems are designed to provide maximum comfort and durability, using the finest quality materials and workmanship.

60 Month Limited Warranty

NP4, NP9, NP12, NP24 and NP Stretcher Pad

Air System – Sizewise warrants, to the original purchaser, if within the first 36 months from the date of purchase, a defect is found in material or workmanship; we will inspect and repair or replace the product at no charge. If, within months 37 through 60, a defect is found in material or workmanship, we will inspect and repair or replace the defective item at a charge not to exceed 50% of the prevailing retail price at the time of the return. The customer will be responsible for the expense of shipping or delivering the component to our factory as well as the cost of returning the replacement or repaired item.

Top Cover, Bottom Cover, Foam Cavity and Foam Comfort Layers - if, within the first 12 months from the date of purchase, a defect is found in material or workmanship, we will inspect and repair or replace the product at no charge. During the normal use of a product fabrics may stretch and foam layers may discolor and lose some resiliency. This warranty does not cover changes in materials from normal use.

Electronic Components –The optional control unit is covered by a separate 1 year warranty.

5 Year Non-Prorated Warranty

RF Welded Seams – Sizewise warrants, to the original purchaser, if within the first 60 months of the date of purchase a defect is found in materials or workmanship on any RF welded air cell seam, we will inspect and repair or replace the RF welded component at no charge. The customer will be responsible for the expense of shipping or delivering the component to our factory as well as the cost of returning the replacement or repaired item.

We reserve the right to substitute materials if the original materials are no longer available.

This warranty covers defects in manufacturing and does not apply to any defects caused by misuse, improper storage, negligence, accidental damage or normal wear including body impressions in the mattress.

To obtain performance under this limited warranty, contact Sizewise Customer Service Department, provide proof of purchase, explain the defect and arrange for the return of the defective part for service.

Any mattress that is returned and is deemed non-safe (due to bodily fluids and excrements) will be discarded and no credit given. This warranty is void if the manufacturer's tag is removed.

Sizewise liability is limited to this written warranty. No other warranty is expressed or implied, nor does this warranty cover so called incidental or consequential damages. Sizewise's liability under this warranty shall not exceed the purchase price of the product.

Some states do not permit limitations on how long an implied warranty may last; some states do not permit the exclusion or limitation of incidental or consequential damages, so either or both of the above limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If further information is needed regarding this limited warranty, contact our customer service department at 1-800-814-9389.

User Assistance Information

For questions or assistance with this product, contact Sizewise at:

Sizewise
1600 Genessee
Suite 950
Kansas City, Missouri 64102
Phone: 1-800-814-9389



SIZEWISE

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