

**Anti-Decubitus
Air Alternating Pressure Mattress System
Operation Manual**








Suzric Enterprise Co., Ltd.
www.suzric.com

Congratulations and thank you for purchasing this anti-decubitus mattress system. **PLEASE READ THIS OPERATION MANUAL CAREFULLY BEFORE SETTING UP AND USING THE DEVICE.** Pay special attention to the warnings and other safety information. If you do not fully understand all the instructions, safety precautions and warnings; do not use this device. In case you have questions, please contact your local distributor.

Table of Contents

1.0	Indications	P.3
2.0	Safety Precautions	P.4
3.0	Warnings	P.4
4.0	System Package	P.5
5.0	Feature	P.5
6.0	Mattress and Power Unit Installation	P.6
7.0	Program Settings	P.7
8.0	Patient Transfer and Transport	P.7
9.0	Emergency CPR Deflation	P.8
10.0	Cleaning Instruction	P.8
11.0	Routine Maintenance	P.9
12.0	Troubleshooting	P.9
13.0	Returns for Service	P.11
14.0	Warranty	P.11
15.0	Product Specifications	P.12

1.0 Indications

	<p><i>Attention! Please read enclosed document thoroughly</i></p>
	<p><i>Double insulated (Class II)</i></p>
	<p><i>Declaration of Conformity to Medical Device Directive</i></p>
	<p><i>International Electronics Approval</i></p>
<p>IPX0</p>	<p><i>Do not immerse power unit in liquid or spray liquids directly on power unit</i></p>
	<p><i>Type B Equipment</i></p>

Indications:

This air alternating mattress system is designed for patients who endure pressure ulcer and potential patients who wish to reduce the likelihood of pressure ulcer. This device is intended to treat and prevent pressure ulcers by facilitating blood circulation and decreasing pressure of each tissue's contact area. Always consult a physician or health professional before using this mattress system. This anti-decubitus mattress system is mainly for high risk patient group.

Contraindications:

Certain patient conditions are not suitable for using this type of device such as fracture of instable vertebrae and illness of instable vertebrae. Always consult a physician or health professional before using this device.

The use of this system does not replace the regular repositioning, monitoring, and nursing of the patient.

2.0 Safety Precautions

- (1) To ensure proper operation, please inspect and verify all parts are setup properly and anchor securely. Do not place anything on top of the power unit. Make sure power cord is underneath bed frame and free from hazard.
- (2) It is recommended to limit bed linens to a single layer in order to allow the moisture escape efficiently through the coverlet. Only “breathable” incontinent pads are recommended for use with this mattress system.
- (3) Avoid using this device near open flames, lighters, or cigarettes. Flammability hazard exists. This device draws air from the surrounding. Thus, cigarette smoking may damage internal component.
- (4) This system should disinfect thoroughly between patients to avoid cross contamination.
- (5) Verify patient weight does not exceed bed frame, bed rails, and this mattress system’s weight capacity.

3.0 Warnings

- (1) **Use this mattress with proper side rails to ensure the gap between the side rail and top of the mattress is small enough to prevent patient from getting his or her head or neck into the gap. Fail to do so could result in serious patient injury.**
- (2) DO NOT disassemble the power unit if you are not a qualified technician. Please contact your local distributor for all service.
- (3) This product is NOT AP/APG protected.
- (4) Re-position the patient once awhile is still necessary when using this mattress.
- (5) Environment condition for transportation, use, and storage:
Temperature: 5°C~45°C
Humidity: 15%~60%

CAUTION: ENSURE THAT THERE ARE NO PROTRUDING OBJECTS, SHARP POINTS OR BED SPRINGS UNDER THE MATTRESS AS THESE COULD PUNCTURE THE AIR CELLS.

4.0 System Package

Each air alternating pressure mattress system consists of

- Power unit x 1
- Air mattress x 1
- Coverlet (optional) x 1

5.0 Feature

Control Panel Features:

power:

Press power button to turn on the power unit and the green LED will light.

comfort:

Simply press comfort button to adjust the patient weight according to each individual. The scale is only an approximation. Please adjust the weight setting if the mattress is too soft or firm to suit each patient.

cycle time/S:

To set the alternation cycle time from 10 to 25 min to meet a variety of requirements; set to “0” for static mode.

low pressure alert:

This low pressure alert notifies medical staff the mattress has insufficient pressure. Audible alarm will sound for 15 seconds at each cycle and the indicator will stay on until the problem has been solved.

tube pressure monitoring:

Indicates normal working condition.

“A” & “B”:

Indicates which set (A or B) of air cells is inflating.

Bottom Side Panel Feature:

Couplers:

Quick release couplers are used to secure mattress air hoses to power unit.

Power Receptacle:

Insert the power cord firmly into the wall outlet.

Rear Panel Features:

Fuse:

Fuse holder can be opened for maintenance.

Hanging Hooks:

Hanging hooks are designed to hang the power unit on almost any foot board.

Air Filter and Filter Cap:

Suzric recommends that the filter to be clean or replace once a month to ensure optimal performance of the power unit.

6.0 Mattress and Power Unit Installation

- (1) Remove existing mattress from bed frame.
- (2) Place Suzric mattress replacement on the bed frame with the logo at foot end. Secure the mattress at each side using anchor strap. Please verify all bed functions are working properly without interference before proceeding to the next step.
- (3) Secure the power unit onto the foot board using hanging hooks.
- (4) Check if the mattress' CPR latch is firmly inserted and the CPR tag is in place.
- (5) Firmly connect the air hose couplings to the quick release couplers on the power unit's air outlet.
- (6) Plug the power unit into a wall outlet and turn on the power switch on the side panel.

- (7) Press power button to inflate the mattress system. Please wait for approx. 30 seconds until the power unit is ready before making any program adjustment
- (8) Wait for approx. 30 minutes for the mattress to inflate fully.

7.0 Program Settings

- (1) Center the patient on the mattress. Adjust the mattress' internal pressure according to the patient weight by using the comfort button on the control panel of the power unit. If the patient feels the mattress is too soft or firm, increases or decreases the mattress' internal pressure one increment at a time and wait for the system to stabilize before making another change until a comfortable state is achieved.
- (2) Caregivers should always perform a hand check by placing their hands underneath patient's pelvis area to check if there is sufficient air support to ensure the patient is not bottoming out.
- (3) **IMPORTANT: TUCKING THE SHEET IN TIGHTLY REDUCES THE EFFECTIVENESS OF THE SYSTEM.**

8.0 Patient Transfer and Transport

Transfer:

It is recommended to have the mattress system in highest comfort setting during transfer. Make sure the bed is secured before proceeding.

Transport:

If a transport occasion comes up, two options are available:

- (1) Detach the mattress' air hose couplings from the power unit's quick release couplers and connect the two air hose couplings together to retain air in the mattress and the mattress will stay inflated for approx. two hours.
- (2) Unplug the power unit's power cord from the wall outlet and the mattress should stay inflated for approx. 40~50 minutes. Suzric Nova-Plus system also has a safety foam base underneath the air cells to support the patient for a short period of time in case of deflation. To resume normal operation, please follow 7.0 Program Setting.

9.0 Emergency CPR Deflation

In the case of emergency, pull hard to remove the mattress' CPR latch for emergency deflation and turn off the Power switch at the same time. The air will discharge from the mattress with patient's own weight. To resume normal operation, simply re-insert CPR latch securely, press the power button again and reset the patient weight.

10.0 Cleaning Instruction

Air mattress and power unit must be cleaned thoroughly between patients to avoid cross contamination. The following is a suggested guideline, but local infection control policies should be followed as well.

Regular cleaning can be performed at bedside with disinfectant and water followed by drying with a clean dry cloth. Use only mild detergents and water to clean the cover and the mattress. Any appropriate NON-PHENOLIC cleaning agent may be used for heavy soiling with urine, blood or other bodily fluids. Please ensure air mattress and cover are completely dry before letting the patient laying on the surface again.

Machine wash warm water at maximum 40°C.

Do not use electric or tumble dryers.

Do not iron.

WARNING! Always unplug the power unit before cleaning. Routine cleaning of power unit can be done by wiping down with damp cloth using disinfectant and water or mild neutral detergent. Never spray liquids directly on the unit itself.

11.0 Routine Maintenance

Remove air filter from the rear panel of the power unit by opening up the filter cap to clean or replace the air filter: Inspect the filter for dirt or dust and clean it with mild soap and water. Reinsert the dried air filter after cleaning and ensure the cap is secure. Replace with genuine air filter once a year is recommended and compressor every two year is strongly suggested to prolong system lifetime.

Only disinfected and dry systems are to be stored. Disconnect the air hoses from the power unit. Roll up the mattress starting from head end and working down toward the foot end. Use the straps to fix it.

12.0 Troubleshooting

Problem	Inspection Procedure	Possible Solutions
1. Power unit does not function.	Check if power cord is firmly plugged into wall outlet.	Secure power cord into wall outlet.
	Check if power switch is in ON position.	Turn power switch to ON position.
	Check if power surge shuts down power unit.	A power surge may overload the circuitry temporarily. Turn the unit off and check the fuse for damage. Turn the unit ON again with normal procedure.
	Make sure there is no power failure.	
	Power unit does not respond to possible solutions.	Please contact your authorized local distributor for assistance.
2. Low pressure	Possible control failure.	Please contact your authorized local distributor

alert does not go out in 30 sec. after systems start.		for assistance.
3. Alert LED is lit during operation.	Check if there is leakage in the tubes* or air cells.	Please contact your authorized local distributor for assistance.
4. Power unit is working, but mattress replacement is not inflating. Or/and Bottoming out is occurring. Or/and Patient leaves a deep dent at the contact area which does not return back to its original shape (worn down by the patient)	Verify if CPR latch is properly inserted.	Insert CPR latch securely.
	Check if mattress' air hose couplings are properly connected to power unit's quick release couplings.	Secure air hose couplings firmly into place.
	Verify if Comfort setting is correct.	Increase or decrease Comfort setting until appropriate pressure is reached.
	Inspect air filter for dust.	Clean or replace air filter.
	Lift mattress coverlet up to check if air cells are connected correctly.	Make sure all air cells are properly linked to air supply.
	Lift mattress coverlet up to check if air tubes are kinked or obstructed.	Check and adjust air tubes' position.
	Check if air cells are cut or cracked.	Replace with genuine spare parts or contact your local distributor.

5. Alternating or static setting is not available.	Possible control failure.	Please contact your authorized local distributor for assistance.
6. Patient is not getting pressure relief due to system failure (reddening of skin).		Contact your physician and/or nursing service immediately.

*Air tube is referring to the mean of directing air flow from the power unit to each individual air cell.

13.0 Returns for Service

This device is not self-serviceable. Service and repair must be performed by an authorized technician or representative. All returned device must be cleaned and disinfected prior to shipping. Unsanitary or soiled systems will be returned without servicing.

14.0 Warranty

Suzric warrants the product to be free from defects from the date of purchase. Please inspect all accessories when you purchase our product. If there is any damage when you receive the product, please ask for a replacement from your local distributor within three days of purchase.

The warranty periods for Suzric products are according to the regulations in your country, the minimum period is one year from date of purchase for the power unit and two years for the mattress and the coverlet. The warranty coverage of any Suzric product is contingent up on its purchase from an

authorized dealer. Warranty for any product in the Suzric product line will be honored by the official distributor in your country.

Warranty coverage will not be extended to any product on which the production lot number has been removed or defaced, on which repair has been attempted by any person or agency not authorized by Suzric or if in the sole opinion of Suzric that the system shows evidence of tampering, abnormal or unreasonable abuse, negligence, accident or operation without regard for the restrictions specified in the instructions which accompany the system. This warranty does not cover normal maintenance such as cleaning, adjustment, lubrication, and updating of equipment or parts. If the damage is result from improper operation, a reasonable service fee and part cost will be charged.

The warranty stated above is the only warranty made and is in lieu of all other warranties whether expressed or implied, including any warranty of merchantability or fitness for a particular reason. Suzric will not be liable for consequential or incidental damages or any kind.

15.0 Product Specifications

Mattress Dimension: (MSR208)

200 x 90 x 23 cm OR 200 x 82 x 23 cm

Number of Air Cells:

19 air cells

Power Unit Dimension: (SR310)

12 x 27 x 17 cm

Integrated Foam:

5 cm

Material:

Power unit – ABS fire retardant UL

Mattress cell – 100% nylon with TPU lamination

Coverlet – 100% nylon with PU backing

Power Input:

AC220-240V/50Hz OR AC100V-120V/60Hz

Power Consumption:

Normal Operation: Max 20W

Power Unit Weight:

2.5 kgs

Power Cord:

H05VV-F3x0.75mm²

Fuse Rating:

T1A/250V

Operating & Transportation & Storage Conditions:

Temperature: 5°C~45°C Humidity: 15%~60%

Electrical Classification:

Class II Type B, double insulated with or without functional ground wire.

IPX0, do not immerse power unit in any liquid or spray any liquids directly on the power unit. This system is not AP/APG protected.

Continuous operation.

Agency Approval:

EN60601-1, EN60601-1-2, EN61000-3-2, EN61000-3-3

Electromagnetic Compatibility:

EN60601-1-2:1993

Maximum Weight Capacity:

200kgs

Distributor:

Your Best Choice...