alerta®
Proactive Patient Care

Instruction manual

alerta® ruby-auto

ALT-9009

Alternatingpressure relieving mattress system

UK Version

Alerta Medical is a world leading designer and manufacturer of innovative, cutting-edge alternating pressure relieving mattress systems for the healthcare market, delivering solutions for care providers to proactively maximise patient safety and comfort.

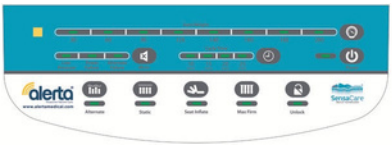
Operating Principles

- A lternating pressure at a sufficient rhythm avoids prolonged vascular compression which is likely to cause tissue hypoxia.
- A lternating pressure adapts the mattress to the patient's and their position.
- T he patient is an intended operator. The patient can use the device and its accessories according to this manual.

Guidelines For Use

- T he traditionally accepted method of pressure sore control is to turn the client at regular intervals and to observe the areas of risk regularly.
- A lternating pressure mattress is intended to compliment this treatment, Observation of the client and turning when necessary should still be considered as part of the treatment.
- A lways consult a physician or health professional before using this device.

Control Panel Features



- Digital display showing setup patient weight – can be used in auto mode or manual mode (max patient weight setting 200kgs).
- 1 0mins, 15mins, 20mins, 25mins cycle time options
- S tatic, alternate, max firm, seating and lock modes.
- L ow pressure, power failure and alternate failure warning lights.

Installation/Use

1. U nroll the mattress and place on bed with the feet logo at the foot end.
2. S ecure it to the bed with the fixing straps ensuring you do not restrict moving bed parts.
3. H ang the compressor (pump) on the bed using the hooks.
4. C onnect the mattress feed pipes to the compressor (pump) connector by matching the appropriate outlets.
5. E nsure the mattress CPR at head end of mattress is firmly inserted and the CPR pull straps are in place.
6. C onnect the electrical power supply cable to the compressor (pump).
7. G uide it along the bed to the mattress plug socket and plug in.
8. P ress switch to turn on the compressor (pump) and press Power button on control panel.
9. F or nursing and caring convenience, press the max firm button to automatically inflate the mattresses to the maximum level.
10. M ax firm inflates whole mattress to max level. Static is different, static ceases alternate function but allows pressure to still be selected.

Auto Weight Guidance

1. **Pump initialisation;** After switching on the pump (by pressing Power button), the pump will automatically enter Auto Weight mode; 8 pressure indicators will flash. The mattress will be inflated to 25mmHg at first and the system will then measure user 's weight. After measuring the weight, the system will be set at corresponding pressure. This can take up to 30 minutes but will normally be quicker.
2. **Auto weight / Manual Use;** After the user lies down on the mattress, by pressing the Auto Weight button, the system will work in Auto Weight Mode. 8 pressure indicators flash and the system will be set at corresponding pressure under Alternate Mode after measuring the weight. During Auto Weight setting up period, if the user presses other buttons, the corresponding indicators will be on, however these functions will only work after the Auto Weight setting up is done.
3. T he system will re-calculate the Auto Weight every 4 hours.
4. **M anual Weight Input;** Press and hold Auto Weight 'scales' button for 2 seconds, the system will stop the Auto Weight function and enter into manual pressure adjustment mode. To manually adjust pressure, use Auto Weight button to add a section of pressure. Select the pressure corresponding to the patient's morphology.

Lock button

1. A uto: Control panel will automatically lock in 5 minutes without operation.
2. M anual: press lock button for 2 seconds to lock the panel, press again for 2 seconds to unlock the panel.

SensaCare TRUFLO TECHNOLOGY

SensaCare Truflo Technology™ – constant auto pressure sensing through an air sensor and microcomputer regulator to provide ultra-low interface pressure and promote an even ambience for natural sleep patterns and stable blood circulation with Ultra-Silent™ pump operation.

Seat Inflate

By pressing Seat Inflate button, the pressure is 5mmHg higher than current configured value, the pressure indicator light won't be changed. Under Seat Inflate Mode, the Max Firm button is invalid. By repressing the Seat Inflate button again, the pump will revert to the previous configured mode.

Remote Control

The remote controller function is the same as pump panel buttons.

Memory Function After Power Failure

If the power supply is stopped and the switch is ON position, when power resumes, the pump will resume to the configured mode before power failure. However if the pump is in Static or Max Firm mode, the pump will be reverted to Alternate Mode after re-switching on the pump.

Emergency CPR Deflation

In the event of an emergency, pull to remove the mattress CPR straps for emergency deflation and turn off the compressor (pump). The air will discharge from the mattress with the patient's own weight. To resume normal operation follow steps 5 and 8 above.

Safety Measures

- **D O TAKE CARE** when operating this electrical equipment.
- **DO NOT** leave connected to electrical supply when not in use.
- **DO NOT** expose the equipment to excessive humidity.
- **DO NOT** use corrosive cleaning products such as industrial degreasers or acetic solvents.
- **DO NOT** attempt to relocate this equipment whilst connected to the electrical supply.
- **DO NOT** position the equipment to make it difficult to operate the power plug used to isolate the equipment circuits electrically from the mains supply.
- **WARNING** To avoid the risk of electric shock, this equipment must only be connected to a mains supply with protective earth.

Cleaning/Disinfection

Air mattress system must be cleaned thoroughly between patients to avoid cross contamination.

- DO TAKE CARE to disconnect from the electrical supply before attempting to clean.
- D O TAKE CARE to use a cloth impregnated with a mild detergent solution.
- D O TAKE CARE to follow manufacturers solution concentrations
- D O TAKE CARE not to exceed manufacturer's recommendations before wiping off cleaning solution.
- C lean using a single use wipe or damp cloth and a solution of mild surface detergent / disinfectant with CE mark and neutral water. Rinse thoroughly with clean water. If the cover is heavily soiled a 0.1% (1,000ppm) chlorine solution and cold water can be used. Where required, covers can be laundered in the washing machine as follows; main wash 65°C for not less than 10 minutes or 95°C for not less than 3 minutes.
- Drying Covers can be tumble dried on low heat setting. Drying temperature must not exceed 60°C.

Service & Warranty

This device is not self-serviceable.
Maintenance must ONLY be performed by an authorised Technician. Failure to use genuine Alerta parts will **void the warranty** of this product.
We warrant the product to be free from manufacturing defects for the period of 1 year from date of purchase.
We will make available upon request; component part lists, descriptions, or other information that will assist service personnel to repair those parts of ME equipment that are designated by the manufacturer as repairable by service personnel.

Environmental Protection

The device and accessories are to be disposed of according to local regulations after their service lives. Alternatively, they can be returned to the dealer or the manufacturer for recycling or proper disposal.

Mattress Characteristics

Specification:
Max.User Weight: 200 Kgs
Mattress Dimensions: 200x90x20cm
Materials: Nylon TPU cell, nylon
PU multi-way stretch cover & CPR
Pillow function

Compressor (pump) Characteristics

Specification:

Cycle Time: 10/15/20/25 mins
Air Output: 8L/min
Electrical Power Supply:
220-240V - 50-60Hz
Warranty: 1 2 months unless otherwise specified

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EC REP

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