



# Instruction manual



**alerta**<sup>®</sup>  
sensaflo-hybrid

**ALT-HYB2/05**  
Sensaflo-Hybrid Mattress c/w  
Evacuation & SensaCare Pump



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.

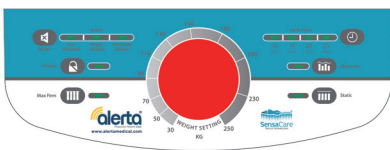
## Operating Principles

- The Alerta Sensaflo-Hybrid can be used just as a high specification foam pressure redistribution mattress, and also functions as a balanced-air self-adjusting system with foam-filled air cells, and the option to add a choice of pumps to provide alternating pressure relief, and a built in Alerta Evacuation System of handles and straps.
- Use as static or dynamic system, no requirement to remove patient from bed to change from foam system to alternating air system. Alerta Sensaflo-Hybrid also boasts a unique adaptable heel zone with gel-foam pads, individually removable to reduce to zero pressure on the heel as required for unrivalled pressure redistribution and improved circulation.
- Alternating pressure at a sufficient rhythm avoids prolonged vascular compression which is likely to cause tissue hypoxia.
- The patient is an intended operator. The patient can use the device and its accessories according to this manual.

## Guidelines For Use

- The traditionally accepted method of pressure sore control is to turn the client at regular intervals and to observe the areas of risk regularly.
- Alternating 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.
- Always consult a physician or health professional before using this device.

## Control Panel Features



- Pressure adjustable knob easy operation for setup of patient weight (max patient weight setting 250kgs).
- Auto pressure control through air sensor and microcomputer control.

- 10mins, 15mins, 20mins, 25mins cycle time options.
- Static, alternate, max firm and lock modes.
- Low pressure, power failure and alternate failure warning lights and alarm.

## Installation/Use

1. Unpack the mattress and place on bed with the feet logo at the foot end.
2. Hang the compressor (pump) on the bed using the hooks.
3. Connect 2-pipe connector to end of mattress tubing (supplied in pump box)
4. Connect the mattress feed pipes to the compressor (pump) connector by matching the appropriate outlets.
5. Connect the electrical power supply cable to the compressor (pump).
6. Guide the electrical power supply cable from the compressor (pump) along the bed to the plug socket and plug in.
7. Press switch to turn on the compressor (pump).
8. The pump will enter static mode initially until pressure reaches 15mmHg (about 30 minutes), then it will change to alternate mode and keep inflating the mattress to the configured pressure. Once configured pressure is reached, the pump will start functioning normally.
9. Select the pressure corresponding to the patient's morphology.
10. For nursing and caring convenience, press the max firm button to automatically inflate the mattresses to the maximum level. The pressure will return to alternate mode after 20 minutes.
11. Max firm inflates whole mattress to max level. Static is different, static ceases alternate function but allows pressure to still be selected.
12. Max firm inflates whole mattress to max level.

## Lock button

1. Auto: Control panel will automatically lock in 5 minutes without operation.
2. Manual: press lock button for 2 seconds to lock the panel, press again for 2 seconds to unlock the panel.



**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.

## 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, remove the mattress pipe connector block from the pump and turn off the compressor (pump). The air will discharge from the mattress with the patient's own weight. To resume normal operation follow the above steps.

## Safety Measures

- **DO 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.
- DO TAKE CARE to use a cloth impregnated with a mild detergent solution.
- DO TAKE CARE to follow manufacturers solution concentrations
- DO TAKE CARE not to exceed manufacturer's recommendations before wiping off cleaning solution.
- Clean 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:** 250 Kgs

**Mattress Dimensions:** 200x90x14cm uninflated / 200x90x16cm inflated

**Materials:** TPU cell, nylon PU multi-way stretch cover

**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:** 12 months unless otherwise specified

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