

**ARJOHUNTLEIGH**

GETINGE GROUP

## **ALPHA RESPONSE**

PRESSURE REDISTRIBUTION  
SYSTEM



...with people in mind

# INTRODUCTION

For over 20 years the *Alpha* range of pressure redistributing mattresses has been proven to offer patients, carers and healthcare facilities a high level of comfort, clinical performance and cost-efficiency.

The *Alpha Response*<sup>™</sup> system is a semi-automatic pressure redistribution solution, offering excellent clinical outcomes<sup>1</sup>, lower risk and value for money. The system is suitable for a wide range of care settings from general ward and acute care to private or nursing home care.

Featuring 'Auto-Profile Technology (APT)', the system recognises when the patient is raised into a semi-recumbent (Fowler's) posture. Head and standard cell pressures are automatically increased to provide additional support and optimal pressure redistribution for the patient. This feature avoids the need for manual adjustment each time the patient changes position; ideal for busy facilities or low-supervision home care environments.

The system comprises of a mattress replacement, mattress overlay and seat cushion, providing healthcare facilities with a choice of pressure redistribution surface and a 24-hour therapy solution.

The system offers two therapy modes allowing carers to adjust the therapy and comfort offered to patients at any time:

- **Active<sup>2</sup> (alternating) mode:** periodically redistributes pressure away from vulnerable areas by inflating and deflating cells beneath the body every 10 minutes.
- **Reactive<sup>2</sup> (constant lower pressure) mode:** cell pressure is reduced and held constant across the surface in order to lower pressure exerted on the body

..."in an evaluation of highly vulnerable patients **none developed a pressure ulcer** and the majority of **existing wounds improved** despite significant co-morbidities<sup>1</sup>..."



..."because the mattress automatically adjusts when the patients were sat up in bed there was **no risk of error**<sup>1</sup>..."

## 24-HOUR THERAPY SOLUTION



The *Alpha Response* system includes an easy to use, one piece seat cushion allowing patients to benefit from a comfortable surface and also receive active therapy while seated, providing 24-hour pressure ulcer prevention and management.

## Cover Material

All surfaces feature *Dartex*® cover material which offers 2-way stretch and vapour permeability for increased patient comfort and concordance with the therapy. The material is also highly durable, protecting the mattress from wear and tear.

## Support Surfaces

The *Alpha Response* mattress replacement consists of an air therapy overlay with an air-filled sub-base providing excellent performance and optimum safety and comfort. As both layers are air-filled, storage space is minimised when the system is not in use.

To offer healthcare facilities maximum flexibility, a mattress overlay is also available offering both active and reactive therapy modes, allowing utilisation of existing foam surfaces.

Both mattresses are fitted with a rapid deflation function which allows CPR to be administered without unnecessary delay.

Both mattresses offer APT, an 8-hour transport facility to assist with patient transport, and cable management on both sides to reduce risk to carers.

Attaching straps allow the mattress replacement, mattress overlay and seat cushion to be easily secured to the underlying surface and combine with non-slip base material to increase patient safety and prevent the surfaces from slipping.

## Pump

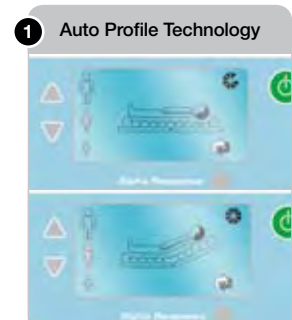
All three support surfaces are powered and adjusted by one small, lightweight pump that combines ease of use with advanced clinical performance.

The pump features an interactive user interface with simple to use controls which reduce the risk of incorrect use ensuring that carers can apply the correct settings quickly and accurately. A large LCD screen provides precise information regarding therapy selection and application, plus any alarm conditions that occur.

For added convenience and ease of use Digital Weight Settings provide 3 preset patient weight ranges and Automatic Recognition Technology correctly identifies mattress type or seat cushion. These labour-saving features allow the carer to focus on patient comfort and concordance with the chosen therapy.

The pump also has an integrated bio filter with 3 filtration stages that offers 99.97% filtering of airborne particles down to 0.3 micron, helping healthcare facilities conform to infection control and anti-allergenic protocols.

An integrated and covered USB port makes pump servicing much simpler and quicker and provides an option for future pump upgrades.



Automatically adjusts cell pressures when bed is raised





# SUPERIOR FEATURES



Audible alarms and clear status indicators alert the user to interruptions in therapy



Rapid deflation to assist resuscitation



Aid with infection control



Reduces risk of injury to patient and/or carer



Removes 99.97% of airborne particles reducing the risk of cross-infection



Provides patient support during transport or power outage

# PRODUCT SPECIFICATIONS

Pump	
Supply Voltage	100-230 VAC
Supply Frequency	50/60 Hz
Electrical Rating	27 VA (max)
Length	240 mm (9½")
Height	210 mm (8¼")
Depth	135 mm (5⅓")
Weight	3.2 Kg (7 lbs)
Case Material	Fire Retardant ABS Plastic
Mode of operation	Continuous
Degree of protection against electric shock	Class II, Double Insulated with Functional Earth. Type BF
Degree of protection against liquid ingress	IPX0

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Mattress Replacement	
Height	205 mm (8")
Length	2090 mm (82⅓")
Cell material	Polyurethane
Base Cover Material	PU laminate
Patient Weight Limit	160 kg (233¾ lbs)
Mattress Overlay	
Height	115 mm (4.5")
Length	2090 mm (82⅓")
Cell material	Polyurethane
Base Cover Material	PU laminate
Patient Weight Limit	160 kg (233¾ lbs)
Seat Cushion	
Length	470 mm (18½")
Width	455 mm (18")
Height	50 mm (2")
Cell material	Polyurethane
Patient Weight Limit	160 kg (233¾ lbs)

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