ALPHA RESPONSE ™
Quick Reference Guide
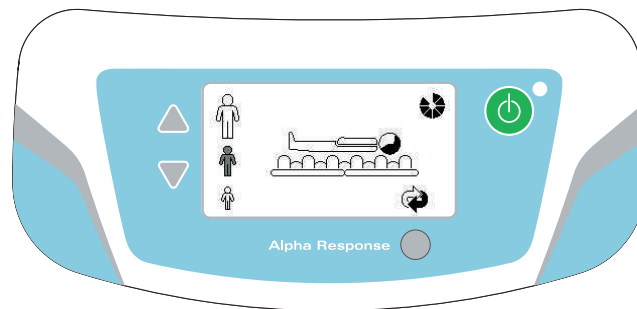
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This Quick Reference Guide has been produced to assist Healthcare Professionals and other users with only the functional aspects of the system. The guide does not replace the general safety warnings, cautions and recommendations provided in the product instructions for use, part number 464933EN.

Refer to the product instructions for use before using this product.

Indications:

- The Alpha Response mattress and cushion are designed for patients weighing up to 160 kg (352 lb).
- The Alpha Response systems are indicated for the prevention and/or management of all categories[1] of pressure ulcer, when combined with an individualised, comprehensive pressure ulcer protocol.

Contraindication: Do not use Alpha Response systems for patients with unstable spinal fractures.

Caution: If patients have other unstable fractures, or conditions which may be complicated by a soft or moving surface, advice should be sought from an appropriate clinician before use.

Press the **Run/Standby** button to put the pump into **Run mode**; the LED indicator will change to green.

The mutlicolour LED next to the **Run/Standby** button indicates the status of the pump.

Amber	(Constant)	External power is applied to the pump, but the pump is in **Standby**
Green	(Constant)	The pump is in **Run** mode and operating
Red	(Flashing)	The pump has detected an alarm condition

If the mains power is disconnected from the pump while the pump is operating, the pump enters the Power Fail Alarm mode. Press and hold the Run/Standby button; the alarm stops and the pump switches off completely.

Mattress/Seat Status - There are 5 mattress/seat mode icons which can be displayed, as follows:

	Mattress	Backrest Horizontal	Active (Alternating) Mode
	Mattress	Backrest Horizontal	Reactive (Constant Lower Pressure) Mode
	Mattress	Backrest Raised	Active (Alternating) Mode
	Mattress	Backrest Raised	Reactive (Constant Lower Pressure) Mode
	Seat	Active (Alternating) Mode	

Use the **Weight/Mode Select Buttons** to choose the new weight range.

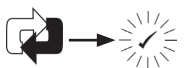|		
	👤	**Light Weight** - 40 – 70kg
	👤	**Normal Weight** - 70 – 120kg
	👤	**Heavy Weight** - 120 – 160kg

Press the **Select Button** to confirm.

Press the **Select Button** during therapy to display the two mode choice icons:

	Active (Alternating) Mode
	Reactive (CLP) Mode

Use the **Weight/Mode Select Buttons** to choose the desired mode.

The new Mode icon and square flashes and the Mode Selection icon changes.

Press the **Select Button** to confirm weight and mode choices.

The "double-arrow" icon indicates that the pump is in normal therapy mode.
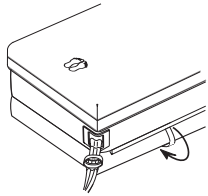
After the mattress has inflated and the system is in the normal operating mode, an Activity Indicator icon is displayed in the top right corner of the LCD screen.

1. NPUAP/EPUAP International Pressure Ulcer Guideline, 2009.

Installation
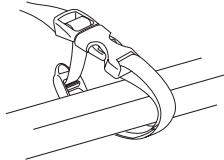
Alpha Response Mattress Overlay

Place the overlay on top of the base mattress, with the tubeset located near the foot end of the bed and the CPR at the head end. The mattress cover must be uppermost.
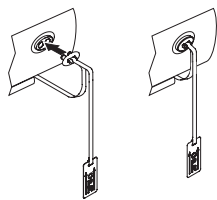
Secure the overlay to the base mattress using the 4 straps

Alpha Response Mattress Replacement (MR)

Place the MR directly onto the bed base, with the tubeset located near the foot end of the bed and the CPR at the head end. The mattress cover must be uppermost. Use the 8 straps provided to make sure the MR is secured to the moving parts of the bed platform.
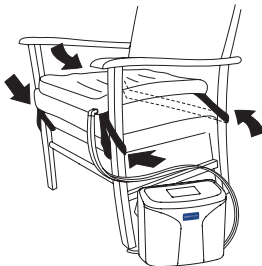
To Complete the Mattress Installation

Make sure the protective cover is fully zipped over the mattress. Make sure the CPR plug is fully pushed into the connector on the mattress.
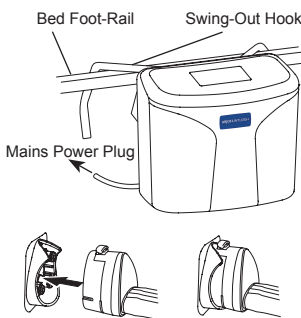
Alpha Response Seat Cushion

Place the cushion on top of the chair surface. From a standing position in front of the chair and facing it, make sure the seat cover is uppermost, the tubeset appears from the front right corner of the cushion and the cells are in a horizontal position across the chair with the 'V' shape pointing towards the front.

Do not use the seat cushion without a foam cushion beneath it and always use the seat cushion with the protective top cover.

The CPR control and CPR indicator tag must be visible and accessible at all times.

Installing the Pump

Bed Foot-Rail   Swing-Out Hook

Mains Power Plug

Position the pump, feet down on any convenient horizontal surface or alternatively suspend from the bed foot rail by means of swing out hooks.
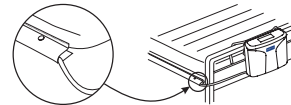
Insert the mains power plug into a suitable mains power socket.

Make sure the tubeset is not "kinked" or twisted, and push the tubeset connector firmly onto the pump until it clicks into place.

Cable Management

The mains power cable should be put through one of the cable management flaps which are on each side of the mattress, as follows:

1. Locate one of the cable management flaps.
2. If necessary, open the press studs along the flap.
3. Run the mains power cable along the side of the mattress securing the flap round the cable using the press studs.

SAFETY SIDES

Regarding the use of safety sides, always refer to your local trust policy AND the product instructions for use.

Quick Start

Press the **Run/Standby** button to put the pump into the **Run** mode. The LED indicator changes to green, the LCD screen displays the ArjoHuntleigh logo for 5 seconds, followed by the Alpha Response animated logo for 5 seconds.
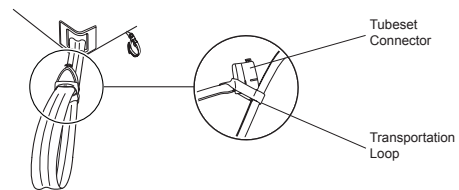
Press the **Run/Standby** button on the control panel of the pump.

Place a bed sheet over the mattress and tuck in loosely.

Transport Mode

To transport a patient using the Alpha Response system press the **Run/Standby** button for 3 seconds to set the pump to **Standby** and then disconnect the tubeset from the pump. This will automatically switch the system into transport mode.
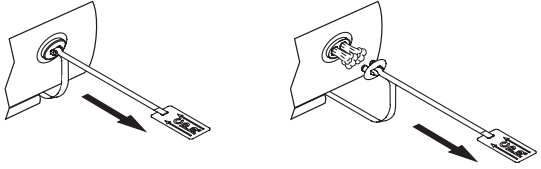
Tubeset Connector

Transportation Loop

CPR Control
IN THE EVENT OF CARDIAC ARREST

In the event of a patient suffering cardiac arrest and CPR needing to be administered:
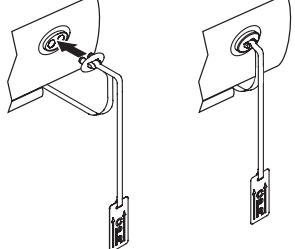
To activate CPR:

Use a quick, firm pull on the CPR tag to remove the CPR plug.

To close the CPR Control:
Push the CPR plug into the mattress.