

NIMBUS 4 & NIMBUS PROFESSIONAL

Quick Reference Guide

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 649933EN.

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

Indications:

- The Nimbus® 4 and Nimbus® Professional mattresses are designed for patients weighing up to 250 kg (550 lb).
- The *Nimbus 4* and *Nimbus Professional* systems are indicated for the prevention and/or management of all categories of pressure ulcer¹, when combined with an individualised, comprehensive pressure ulcer protocol.

Contraindication: Do not use *Nimbus 4* and *Nimbus Professional* 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.

Note: For more information on putting the patient in the prone position on the *Nimbus Professional* mattress refer to the Instructions for Use document, section 6 "*Nimbus Professional* Mattress: Patient Positioning Guide".



Press the Run/Standby Button to put the pump into the Run mode; the Run indicator will change to green. To put the pump into Standby, press and hold the Run/Standby button for approximately 3 seconds; this prevents accidental operation. The Run indicator will be extinguished..



The Wait indicator is illuminated when the mattress is being inflated. The indicator will remain illuminated until the mattress has been fully inflated. This may take up to 15 minutes.



During an alarm condition the triangular Alarm symbol will flash, an audible alarm will sound and one of the following indicators will be illuminated: Low Pressure, High Pressure, Pump Fault or Power Fail.



The Low Pressure indicator is illuminated whenever the pump detects low pressure within the mattress. An audible alarm will sound unless cancelled by the Mute button. The indicator will extinguish once normal pressure is reached. Make sure the CPR is closed, the tubeset is connected properly and the mattress is set to Normal.



The High Pressure indicator is illuminated whenever the pump detects high pressure within the mattress. An audible alarm will sound unless cancelled by the Mute button. If this condition occurs, the air supply from the pump is switched off until normal pressure is detected. After two seconds of normal pressure being detected the indicator is switched off and the air supply restarted. Make sure the tubeset is not kinked.



The Pump Fault indicator is illuminated when an internal pump malfunction is detected. Call the Service Engineer.



The Power (Fail) alarm indicator will illuminate when a mains power failure has been detected. An audible alarm will sound. The alarm will continue until the mains power is resumed or the Run/Standby button is pressed to put the pump into Standby. If the power failure is prolonged, switch to Transport mode and disconnect the tubing. Examples of conditions causing the Power (Fail) alarm are mains lead removal and power failure.



The Service indicator will illuminate and remain on after a set number of running hours indicating the pump is ready for a service. The pump will continue to function normally while the Service indicator is illuminated.



During an alarm condition the audible alarm can be muted by pressing and holding the Mute button for 3 seconds. The indicator on the Mute button will illuminate to show the audible alarm has been silenced.
The Alarm Mute button does not operate in a Power Fail condition.



Press and hold the Static button for 3 seconds to select Static mode. An audible tone will sound when the button is pressed. The indicator on the Static button will only illuminate when the pump is in Static mode. Press and hold the button for 3 seconds to return to Dynamic mode.



The mattress cell pressure can be manually adjusted for patient comfort using the rotary Comfort Control. Turn the Comfort Control clockwise for a firmer setting and counterclockwise for a softer setting.

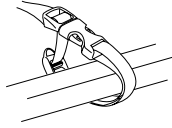
1. NPUAP/EPUAP International Pressure Ulcer Guideline, 2009.

Installation

Nimbus 4 & Nimbus Professional Mattress Replacement (MR)

Place the MR directly onto the bed base, with the tubeset and CPR located at the foot end of the bed.

Use the fastener straps provided to attach the MR to the bed frame.



If the bed has divided sections for independent elevation of a patient's head and/or knees, attach the mattress to the movable parts of the bed frame only.

To Complete Mattress Installation

Zip the protective cover over the mattress. Make sure that the ArjoHuntleigh logo is uppermost and at the foot end of the mattress.

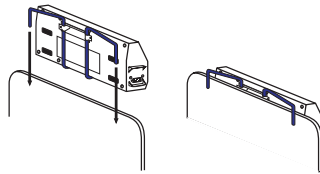
Check that the transport control is set to Normal and the CPR control is closed and locked in position.

Make sure that the mains power cable and tubeset are positioned to avoid causing a trip or other hazard, and are clear of moving bed mechanisms or other possible entrapment areas. Where cable management flaps are provided along the sides of the mattress, these should be used to cover the mains power cable.

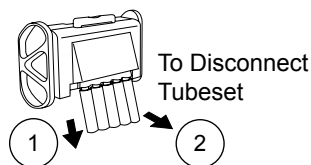
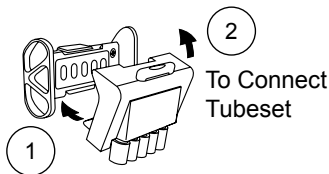
The CPR control must be visible and accessible at all times.

If the pump is to be hung from the end of the bed, attach the bed bracket to the bed frame.

Alternatively the pump can be placed underneath the bed, either upright or lying on its back.



Make sure the tubeset is securely connected to the pump and the mattress.



Insert the mains power connector into the socket on the side of the pump. Connect the mains power cable to a suitable mains power outlet.

SAFETY SIDES

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

Quick Start

When the Nimbus pump is switched on using the power switch, the pump will run a self diagnostic check for approximately 3 seconds during which all indicators will be illuminated.

The Wait and Low Pressure indicators will remain illuminated while the mattress inflates. Allow approximately 15 minutes for the mattress to inflate fully.

Warning: Do not place the patient on the mattress until it is fully inflated and normal operating pressure has been reached.

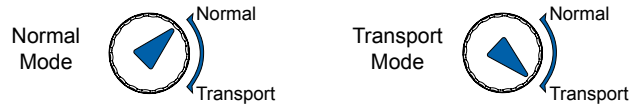
Once the mattress is fully inflated, the Wait and Low Pressure indicators will extinguish. Place a bed sheet over the mattress and tuck in loosely.

Once the patient is on the mattress, the pump will automatically sense and adjust the pressure in the cells to support the patient.

Transport Mode

To transport a patient using the Nimbus Professional mattress, turn the Transport control at the foot end of the mattress clockwise to Transport. Switch off the pump and disconnect the tubeset. In this mode the mattress will support the patient for up to 12 hours.

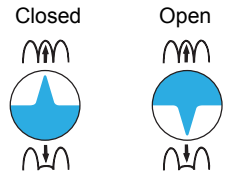
To resume operation, reconnect the pump, turn the transport control counterclockwise to Normal and switch on.



Vent Valve Control

The Nimbus 4 has 5 cells with Vent Valves at the foot end. The Nimbus Professional has 19 cells all with Vent Valves (the shoulder support cell has no Vent Valve and cannot be deflated). To deflate a cell, turn the Vent Valve 180° clockwise, to point downwards.

Refer to "Guidelines for Selecting Mattress Vent Valves to Open" in the "Operation" section of the product instructions for use.



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 the CPR:

1. Lift the red handle on the control panel at foot end of the mattress.



2. Turn the handle counterclockwise.



3. Pull the handle away from the panel.



4. The grey triangular seal will rotate and the air will rapidly exhaust from the mattress.

To Reset the CPR:

1. Turn the grey triangular seal clockwise and push onto the connectors.
2. Turn the red handle clockwise.
3. Fold the handle flat to lock in position.



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