

ARJOHUNTLEIGH

GETINGE GROUP

NIMBUS RANGE

**ADVANCED MATTRESS
REPLACEMENT SYSTEMS**



...with people in mind

OPTIMUM PRESSURE RELIEF AND COMFORT

In clinical use for more than 20 years, *NIMBUS*® Alternating Mattress Replacement Systems have consistently proven to be one of the most efficient, comfortable and cost effective pressure redistributing mattress replacements used across all care environments from critical and intensive care to nursing or private homecare.

The *Nimbus* mattress replacement range comprises of 2 systems; the *Nimbus 4* and *Nimbus Professional*. Both systems provide effective alternating pressure relief combined with automatic adjustment to the weight, size and position of the individual, ensuring optimum pressure relief and comfort.

The *Nimbus* range is suitable for treatment of all grades of pressure ulcer.



NIMBUS RANGE PUMP FEATURES

The *Nimbus* pump powers both the *Nimbus 4* and *Nimbus Professional* Dynamic Mattress Replacement systems offering a choice of therapies to meet the demanding needs of modern healthcare facilities while accommodating the individual needs of both patient and clinician.

In dynamic mode the pressure is periodically redistributed by inflating and deflating alternate cells ('active therapy') so that pressure on the body is held for as long as possible below thresholds similar to arteriolar, capillary and venule operating pressures. The therapy is designed to mimic the effects of regular spontaneous movement thus allowing maximum tissue perfusion. Clinical studies consistently demonstrate excellent outcomes for the most vulnerable patients or those with existing wounds.

In constant low pressure mode, an increase in the degree of immersion and envelopment lowers pressure across the whole body surface ('reactive therapy'); ideal for those who require or prefer this therapy.

The quiet and vibration-free pump interacts with a unique encapsulated Auto-Matt™ sensor pad within the mattress to enable automatic pressure adjustment in response to individual body mass distribution and patient movement. This feature ensures optimal conditions for the prevention and treatment of all grades of pressure ulcer and reduces the risk of human error thus increasing patient safety.



Audio and visual alarms

The pump includes audio and visual alarms, providing feedback on true patient condition and only alarming when genuine intervention is needed for Power Fail, High or Low Pressure and Pump Fault conditions.



Comfort control

For additional patient comfort, the mattress can be manually adjusted using a comfort dial. The Auto-Matt sensor ensures that these pressure adjustments do not affect therapeutic performance.



Infection Control

A 3 stage Bio Filter, ensuring only clean air is passed into the mattress and only clean air is exhausted after use; ideal for use in the management of immuno-compromised patients or those highly vulnerable to infection.

NIMBUS 4

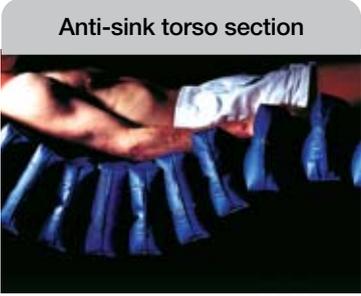
The *Nimbus 4* system combines automatic adjustment of cell pressures, *Heelguard™* and unique Vent Valve technology. Providing effective pressure relief and enhanced solutions to a wide range of patient management issues, the *Nimbus 4* system can help reduce nursing time, improve patient and carer safety and provide clinical and cost effective outcomes.



Vapour permeable and water resistant 2-way stretch cover offers optimum pressure redistribution and comfort. This loose fitting top cover is attached to the mattress base by concealed zips to reduce ingress of unwanted fluids. The cover is also flame retardant, easy to clean and can be completely removed for laundering



The mattress is made up of 20 deep 'figure of 8' designed cells to support patients up to 250 kg and provides the best possible pressure redistribution in either mode for all patient types and all stages of tissue damage.



Unique mattress design provides a 200 mm (8") inflated cell height with Anti-Sink torso section supporting patients in lying or profiled positions which avoids the risk of bottoming out.



Dedicated mattress zone where bottom 5 cells provide lower pressures through use of unique power down straps, keeping pressure at the heel lower for longer.



NIMBUS RANGE MATTRESS FEATURES



Auto-Matt sensor pad

The Auto-Matt sensor pad rests under the complete length of the mattress and works with the automatic pump to provide constant re-adjustment of cell pressures keeping interface pressure under 10 mmHg for up to 40% of the operating cycle.



Total Heelguard

5 heel cells incorporate vent valve technology, allowing the carer to completely remove interface pressure in this high risk area and providing 'Zero Pressure' for the most vulnerable patients such as those with limb ischaemia or existing wounds.



Transport Facility

Mattress can be transformed from a powered support surface to a sealed static air mattress for up to 12 hours, providing a uniform stable surface for patient transportation, nursing procedures, moving & handling and to provide simple support during periods of power failure.



CPR / RADR

Cardio Pulmonary Resuscitation (CPR) / Rapid Air Deflate Release (RADR) is a quick release, single handed facility located on the mattress control port that enables rapid air deflation for emergencies, short term physiotherapy, moving and handling or storage.



NIMBUS PROFESSIONAL



The *Nimbus Professional* system is the ultimate pressure redistributing mattress in the *Nimbus* range, offering best of class dynamic therapy and total patient management within any care setting. From Intensive Care to Extended Care across both Medical and Surgical ward settings, the *Nimbus Professional* system delivers a proven solution with the ability to uniquely customise the therapy surface to a range of patient management needs.

NIMBUS PROFESSIONAL ADDITIONAL FEATURES

The *Nimbus Professional* system provides the same dual therapy and features as *Nimbus 4* with the following unique additional features:

The top 3 semi-dynamic cells can be deflated to remove pressure from beneath the head, or for providing access to the head and neck for specialist nursing procedures (i.e. intubation, cannulation and feed support lines).

Head Section Deflate



The sacral section of the mattress can be deflated to assist with nursing procedures including bed-chair transfer, physiotherapy, low-height patient egress and also specialised interventions such as C/D Arm imaging or X-ray provision.

Torso Deflate



Zoned Wound Valve Technology allows carers to selectively isolate any one of the 19 individual cells under a patient's body, providing complete and permanent pressure off-loading, making this mattress the most adaptable support surface for the management of highly vulnerable areas such as grafts, burns, wounds, heels and ischaemic legs.

Zoned Wound Valve Technology



(Zoned Wound Valve Technology also facilitates the use of additional technologies such as topical negative pressure therapy while not compromising the patient's posture and comfort).

Clinical Application



Pressure Ulcer Grade (European Pressure Ulcer Advisory Panel, EPUAP)
(Applies to the *Nimbus 4* and *Nimbus Professional* Systems)

PRODUCT SPECIFICATIONS

Mattress	(These specifications apply to both <i>Nimbus 4</i> and <i>Nimbus Professional Systems</i>)	
	Standard	Narrow
Length	2060 mm (81")	2060 mm (81")
Width	890 mm (35")	800 mm (31 ½")
Maximum Height	215 mm (8 ½") – at edges	215 mm (8 ½") – at edges
Maximum Profile Height	380 mm (15") – at edges	380 mm (15") – at edges
Cell Height	203 mm (8") – inflated	203 mm (8") – inflated
Weight	15.5 kg (including packaging)	14.3 kg (including packaging)
Cover Material	PU coated knitted fabric	PU coated knitted fabric
Cell Material	0.3 mm PU flexible sheeting	0.3 mm PU flexible sheeting
Maximum Patient Weight	250 kg (550 lbs)	250 kg (550 lbs)

Pump	
Length	508 mm (20")
Height	220 mm (8 ¾")
Depth	100 mm (4")
Weight	5.7 kg (25")
Case Material	ABS/polycarbonate blend
Supply Voltage	UK 220-240 VAC, 50Hz
Electrical Rating	35 VA
Fuse Rating	F500mA
Filters	All service replaceable
Operating Cycle	10 minutes

Electrical Safety Standards	
IEC601-1	IEC 60601-1 (BS EN 60601-1), IEC 60601-1-2 (BS EN 60601-1-2)
VDE 0750: Teil 1	
Degree of Protection Against Electric Shock	Class I, Type BF
Degree of Protection of Ingress of Liquids	Ordinary
Mode of Operation	Continuous

Tuberset	
Length	1000 mm (39 ½")
Tube Material	5-way moulded PVC
Tube Connectors	Moulded Nylon

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ArjoHuntleigh International Ltd

310-312, Dallow Road Luton

Bedfordshire LU1 1TD

United Kingdom

Phone: +44 1582 745 800

Fax: +44 1582 745 866

E-mail: international@arjohuntleigh.com

