

ARJOHUNTLEIGH

GETINGE GROUP

NIMBUS RANGE

ADVANCED MATTRESS
REPLACEMENT SYSTEMS



...with people in mind

OPTIMUM PRESSURE REDISTRIBUTION AND COMFORT

In clinical use for more than 20 years, ArjoHuntleigh's Alternating Mattress Replacement Systems have consistently proven to be efficient and comfortable pressure redistributing mattress replacements used across all care environments from critical and intensive care to nursing or private home care.

The *Nimbus*® mattress replacement range is comprised of 2 systems; the *Nimbus 4* and *Nimbus Professional*. Both systems provide effective alternating pressure redistribution combined with automatic adjustment to the weight, size and position of the individual, ensuring optimum pressure and comfort. The *Nimbus* range is suitable for treatment of all stages of pressure ulcers.



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 the patient, resident 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 clinically relevant arteriolar, capillary and venule operating pressures. The therapy is designed to mimic the effects of regular spontaneous movement thus allowing maximum tissue perfusion.

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 stages of pressure ulcers.



Audio and visual alarms

The pump includes audio and visual alarms, providing feedback on system status 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

The 3 stage Bio Filter ensures only clean air is passed into the mattress and only clean air is exhausted after use. It is ideal for use in the management of immuno-compromised patients or those vulnerable to infection.

NIMBUS 4

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

Cover



Vapor 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 zippers to reduce ingress of unwanted fluids. The cover is also flame retardant, easy to clean and can be completely removed for laundering.

Modular Construction



The mattress is made up of 20 deep 'figure 8' designed cells to support patients up to 550 lbs (250 kg) and provide the best possible pressure redistribution in either mode for all patient types and all stages of pressure ulcers.

Anti-sink Torso Section



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

Heelguard[™]



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.



MATTRESS FEATURES



Reduces risk of injury to patient and /or caregiver by removing trailing cables.

Cable Management



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.

Auto-Matt Sensor Pad



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

Total Heelguard™



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.

Transport Facility



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 physical therapy, moving and handling or storage.

CPR / RADR



NIMBUS PROFESSIONAL



The *Nimbus Professional* system is the ultimate pressure redistributing mattress in the *Nimbus* range, offering best in class dynamic therapy and total patient management within any care setting. From Intensive Care to Extended Care across both Medical and Surgical unit settings, the *Nimbus Professional* system delivers a proven solution with the ability to uniquely customize 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, physical therapy, low-height patient egress and also specialized interventions such as C/D Arm imaging or X-ray provision.

Torso Deflate



Zoned Vent Valve Technology allows caregivers 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.

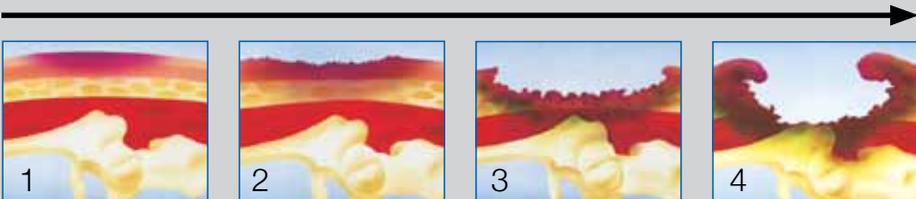
Zoned Wound Valve Technology



(Zoned Vent 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 categories/stages I thru IV, including unstageable & suspected deep tissue injury. National Pressure Ulcer Advisory Panel.

*Note: The pressure ulcer images are for illustrative purposes only.

Product Specifications

Mattress (These specifications apply to both <i>Nimbus 4</i> & <i>Nimbus Professional</i> Systems)	
Length	81" (2060 mm)
Width	35" (890 mm)
Max. Height	8 1/2" (215 mm) - at edges
Max. Profile Height	15" (380 mm) - at edges
Cell Height	8" (203 mm) - inflated
Weight	34.2 lbs (15.5 kg) including packaging
Cover Material	PU coated knitted fabric
Cell Material	0.3 mm PU Flexible sheeting
Max. Patient Weight	550 lbs (250 kg)

Pump	
Length	20" (508 mm)
Height	8 3/4" (220 mm)
Depth	4" (100 mm)
Weight	13 lbs (5.7 kg)
Case Material	ABS / polycarbonate blend
Supply Voltage	120 V, 60Hz
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	
 Tubeset	
Length	39 1/2" (1000 mm)
Tube Material	5-way moulded PVC
Tube Connectors	Moulded Nylon

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GETINGE GROUP is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, GETINGE and MAQUET. **ArjoHuntleigh** focuses on patient mobility and wound management solutions. **GETINGE** provides solutions for infection control within healthcare and contamination prevention within life sciences. **MAQUET** specializes in solutions, therapies and products for surgical interventions and intensive care.

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