

**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 active<sup>1</sup> pressure redistribution (alternating therapy) 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 the treatment of all categories<sup>1</sup> of pressure ulcer.



# NIMBUS RANGE PUMP FEATURES

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

In alternating 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.

A second, non-alternating or "reactive"<sup>1</sup> mode gently supports the patient across all cells simultaneously.

This increased contact area effectively redistributes and lowers pressure across the body.

The quiet and vibration-free pump interacts with a unique encapsulated *Auto-Matt*<sup>TM</sup> 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 categories<sup>1</sup> of pressure ulcer and reduces the risk of human error thus increasing patient safety.



#### **Audible and visual alarms**

The pump includes audible and visual alarms, activating only when genuine intervention is needed for Power Fail, High or Low Pressure and Pump Fault conditions.



#### **Comfort control**

For additional patient comfort, minor adjustments to inflation pressures can be made using a comfort control dial, without affecting therapeutic performance.



#### **Infection prevention**

3 stage filtration with Bio Filter ensures only clean air is passed into the mattress. This contributes towards infection prevention.

# NIMBUS 4

The *Nimbus 4* system combines automatic adjustment of cell pressures, *Heelguard*™ and unique *Wound 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, providing active pressure redistribution for all patient types and all categories<sup>1</sup> of tissue damage.



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



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



# NIMBUS RANGE MATTRESS FEATURES



The *Auto-Matt* sensor pad ensures the patient is automatically supported at optimum pressures regardless of size, height, position or weight distribution.

**Auto-Matt Sensor Pad**



5 heel cells incorporate *Wound Valve* technology, allowing the carer to permanently off-load ("float") the vulnerable heel, ideal for the most vulnerable patients such as those with limb ischaemia or existing wounds.

**Wound Valve Technology**



Seals air in the mattress for up to 12 hours, providing a uniform stable surface for patient transportation, moving and handling nursing procedures and during periods of power failure.

**Transport Facility**



A quick release, single handed operation, the CPR facility enables rapid air deflation for emergencies, short term physiotherapy, moving and handling or storage.

**CPR Facility**



# NIMBUS PROFESSIONAL



The *Nimbus Professional* system is the ultimate pressure redistributing mattress in the *Nimbus* range, offering class-leading dynamic therapy and total patient management within any care setting. From Intensive Care to Home 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 therapy options and features as *Nimbus 4* with the following unique additional features:



The 3 head cells can be deflated to remove pressure from beneath the head, or for providing access to the head and neck for specialist nursing procedures (e.g. intubation, cannulation and hygiene).

Head Section Deflate



Zoned *Wound Valve* Technology allows carers to selectively isolate any one of 19 individual cells under a patient's body, 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



Wound Valves in the sacral section can deflate the mattress to assist with nursing procedures including bed-chair transfer, physiotherapy, low-height patient egress and also specialised interventions such as diagnostic imaging.

Sacral Deflate



## Clinical Application



# PRODUCT SPECIFICATIONS

Mattress	(These specifications apply to both <i>Nimbus 4</i> and <i>Nimbus Professional Systems</i> )	
	Standard	Narrow
Length	2085 mm (82")	2085 mm (82")
Width	890 mm (35")	800 mm (31½")
Maximum Height (at edges)	215 mm (8½")	215 mm (8½")
Cell Height	203 mm (8") – inflated	203 mm (8") – inflated
Weight <sup>1</sup>	15.5 kg (34 lbs)	14.3 kg (31½ lbs)
Top Cover Material	PU coated fabric or Advantex or eVENT fabric	PU coated fabric or Advantex or eVENT fabric
Cell Material	Polyurethane	Polyurethane
Maximum Patient Weight	250 kg (550 lbs)	250 kg (550 lbs)

1) Nimbus 4: Standard vers. – 11.5 kg (25½ lbs). Narrow vers. – 10.3 kg (22¾ lbs)

Pump	
Length	508 mm (20")
Height	220 mm (8¾")
Depth	100 mm (4")
Weight	5.7 kg (12½ lbs)
Supply Voltage, Frequency (UK)	230 VAC, 50Hz
Electrical Rating	35 VA
External Fuse Rating	2 x F500 mA L 250 V
Filters	All service replaceable
Operating Cycle	10 minutes

Tubaset	
Length	1000 mm (39½")
Tube Material	5-way moulded PVC
Tube Connectors	Moulded Nylon

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Electrical Safety Standards	
Complies with	EN 60601-1:1990/A13:1996 IEC 60601-1:1988/A2:1995
Degree of Protection Against Electric Shock	Class I, Type BF
Degree of Protection of Ingress of Liquids	IPx0
Mode of Operation	Continuous

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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.

## 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](mailto:international@arjohuntleigh.com)