



PRESSURE INJURY PREVENTION

Nimbus Range

Alternating mattress replacement system



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 home care.

The *Nimbus* mattress replacement range is comprised of two systems; the *Nimbus 4* and *Nimbus Professional*. Both systems provide effective active¹ 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 categories¹ of pressure injury.

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 health care 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, allowing maximum tissue perfusion. Clinical studies consistently demonstrate excellent outcomes for the most vulnerable patients or those with existing wounds.

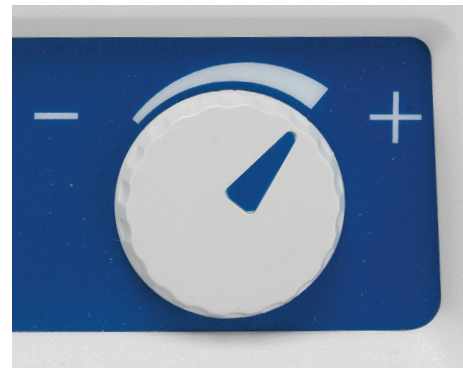
A second, nonalternating or reactive¹ mode gently supports the patient across all cells simultaneously. This increased contact area effectively redistributes and lowers pressure across the body.

The quiet and vibration-free pump interacts with a unique encapsulated Auto-Matt® 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 categories¹ of pressure injury 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

Three-stage filtration with Bio Filter ensures only clean air is passed into the mattress. This helps prevent infection.

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 caregiver safety, and provide clinical and cost-effective outcomes.



Nimbus range mattress features



COVER

Vapor-permeable and water-resistant two-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.



AUTO-MATT SENSOR PAD

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



ANTISINK MATTRESS DESIGN

The mattress is made of 20 deep "figure of 8" designed cells to support patients up to 551 lbs (250 kg), providing active pressure redistribution for all patient types and all categories¹ of tissue damage.



WOUND VALVE TECHNOLOGY

Five heel cells incorporate Wound Valve technology, allowing the caregiver to permanently off-load (float) the vulnerable heel, ideal for the most vulnerable patients such as those with limb ischemia or existing wounds.



CABLE MANAGEMENT

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



TRANSPORT FACILITY

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.



HEELGUARD

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



CPR FACILITY

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

Nimbus Professional additional features

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



ZONED WOUND VALVE TECHNOLOGY

Zoned Wound Valve Technology allows caregivers 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 ischemic legs.



SACRAL DEFLATE

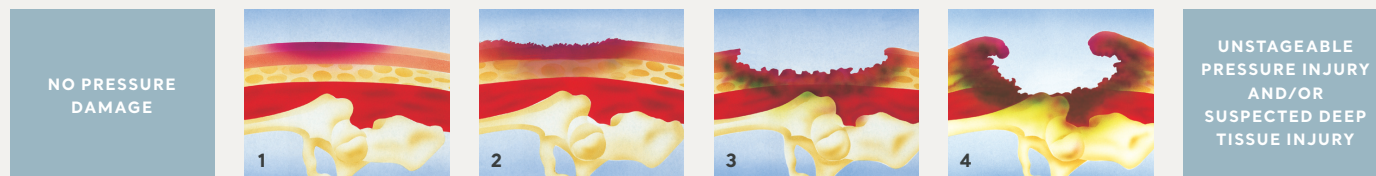
Wound Valves in the sacral section can deflate the mattress to assist with nursing procedures including bed-chair transfer, physiotherapy, low-height patient egress, and specialized interventions such as diagnostic imaging.



HEAD SECTION DEFLATE

The three-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).

Clinical application



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 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.

1. QUICK REFERENCE GUIDE pages 12-13 International NPUAP/EPUAP Pressure Ulcer Classification System <http://www.epuap.org/wp-content/uploads/2016/10/quick-reference-guide-digital-npuap-epuap-pppia-jan2016.pdf>.

Product specifications

MATTRESS

(THESE SPECIFICATIONS APPLY TO BOTH NIMBUS 4 AND NIMBUS PROFESSIONAL SYSTEMS)

	Standard	Narrow
Length	82" (2,085 mm)	82" (2,085 mm)
Width	35" (890 mm)	31½" (800 mm)
Maximum height (at edges)	8½" (215 mm)	8½" (215 mm)
Cell height	8" (203 mm) – inflated	8" (203 mm) – inflated
Weight*	34 lbs (15.5 kg)	31½ lbs (14.3 kg)
Top cover material	Reliant or Premium	Reliant or Premium
Cell material	Polyurethane	Polyurethane
Maximum patient weight	550 lbs (250 kg)	550 lbs (250 kg)

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

PUMP

Length	20" (508 mm)
Height	8¾" (220 mm)
Depth	4" (100 mm)
Weight	12½ lbs (5.7 kg)
Supply voltage, frequency	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

TUBE SET

Length	39½" (1,000 mm)
Tube material	5-way molded PVC
Tube connectors	Molded nylon

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	IP21
Mode of operation	Continuous

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At Arjo, we are committed to improving the everyday lives of people affected by reduced mobility and age-related health challenges. With products and solutions that ensure ergonomic patient handling, personal hygiene, disinfection, diagnostics, and the effective prevention of pressure injury and venous thromboembolism, we help professionals across care environments to continually raise the standard of safe and dignified care. Everything we do, we do with people in mind.

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