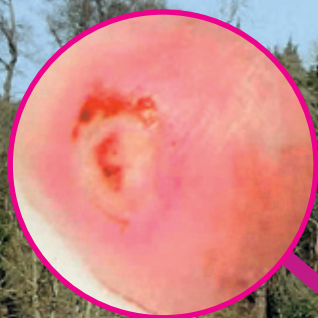


# 24 NRG GROUP<sup>®</sup>



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COTSWOLDS  
PRESSURE  
RELIEVING  
DYNAMIC  
**RANGE**



# 24 NRG FAIRFORD

The **24 NRG Fairford** is our premium, deeper cell, dynamic mattress replacement system with digital pump. This product is targeted towards the assistive treatment for patients who have existing and potentially severe pressure damage. Designed for those patients considered to be at very high risk and holistic treatment of pressure ulcers.

## Pressure Ulcer GRADES 1-4

This product was initially designed with ease of use for those patients, who are considered to be very high risk, namely in an acute setting. However, the product is well adapted for use in long term care, whether that be hospital or homecare setting. The 8 inch (200mm) high cells, cyclically inflate and deflate in an alternating pattern, thus providing direct pressure relief throughout the dynamic process. The multi-stretch, vapour permeable cover comprises of a high level coating of polyurethane, which makes it easy to clean, whilst complying with strict infection control procedures.



The pulse welded, vapour permeable and waterproof mattress covers will ensure all relevant compliance to even the strictest of infection control protocols.

The deeper cell technology ensures the highest level of care is achieved, including those with severe damage. Available with toughened base and securing straps as standard.



Easy to operate digital control panel, with adjustable pressure settings to match individual user weight and comfort requirements.



Features	Benefits
Multi-stretch, vapour permeable, antimicrobial, cover material	Aids infection control
Fully High Frequency welded product	Prevents fluid ingress
Large / Deeper Cell design	Aids patient comfort, whilst providing excellent pressure relief
CPR Function	Aids rapid deflation or medical attention
Transport Mode	Enables ward / patient procedures
UK Manufactured product (cover)	Provides total confidence to user via exceptional quality and workmanship
Clinically proven	Giving peace of mind to nursing staff and patients alike

● Technical Information	
Product Code	24NRGFAIRFORD
Risk Factor	Very High Risk
Low Pressure Function	Yes
Maximum Patient Weight	28 stone or 180 kgs
Mattress Dimensions	200cm x 88cm x 20cm (suitable for most hospital / homecare beds)
Mattress Weight	Less than 7 kgs
Alternation Cycle	1 in 2
Alternation Time	11.5 mins
Mattress Cover Coating	210 – 230 g (options available)
Pump Style	Digital
Warranty	2 years – extended warranty available

If you require additional information,  
please telephone **08452 999 999**



# 24 NRG BIBURY

The **24 NRG Bibury** is our second generation dynamic mattress replacement system with digital pump, targeted towards the assistive treatment for patients who have existing pressure damage. It has also been designed for those patients considered to be at high to very high risk of pressure ulcer development.

## Pressure Ulcer GRADES 1-4

This product consists of an attractive outer cover, smooth TPU cells and digital pump, developed with quick installation and ease of use at the forefront of its design. Lothian II™ adapts itself beautifully within the demands of either long term care environments or busy hospital wards. As the product is manufactured with a combustion modified foam base, its features make the system equally suited within a homecare environment. The transverse cells cyclically inflate and deflate in an alternating pattern and vent quickly during the process, thus providing rapid pressure relief throughout the dynamic process. The multi-stretch, vapour permeable cover comprises of a high level coating of polyurethane, which makes it easy to clean, whilst complying with strict infection control procedures.



The pulse welded, vapour permeable and waterproof mattress covers will ensure all relevant compliance to even the strictest of infection control protocols.

The high density foam base provides secondary protection for patients in the unlikely event of rapid cell deflation. Available with toughened base and securing straps as standard.

Easy to operate control panel, with adjustable pressure settings to match individual user weight and comfort requirements.



Features	Benefits
Multi-stretch, vapour permeable, antimicrobial, cover material	Aids infection control
Fully High Frequency welded product	Prevents fluid ingress
Large Transverse Cell design	Aids patient comfort, whilst providing excellent pressure relief
High density foam base	Secondary patient protection in the event of rapid cell deflation
CPR Function	Aids rapid deflation or medical attention
Transport Mode	Enables ward / patient procedures
UK Manufactured product	Provides total confidence to user via exceptional quality and workmanship
Clinically proven	Giving peace of mind to nursing staff and patients alike

#### ● Technical Information

Product Code	24NRGBIBURY
Risk Factor	High to Very High Risk
Low Pressure Function	Yes
Maximum Patient Weight	28 stone or 180 kgs
Mattress Dimensions	200cm x 88cm x 16cm (including foam base)
Mattress Weight	Less than 7 kgs
Alternation Cycle	1 in 2
Alternation Time	11.5 mins
Mattress Cover Coating	210 – 230 g (options available)
Pump Style	Digital
Warranty	2 years – extended warranty available

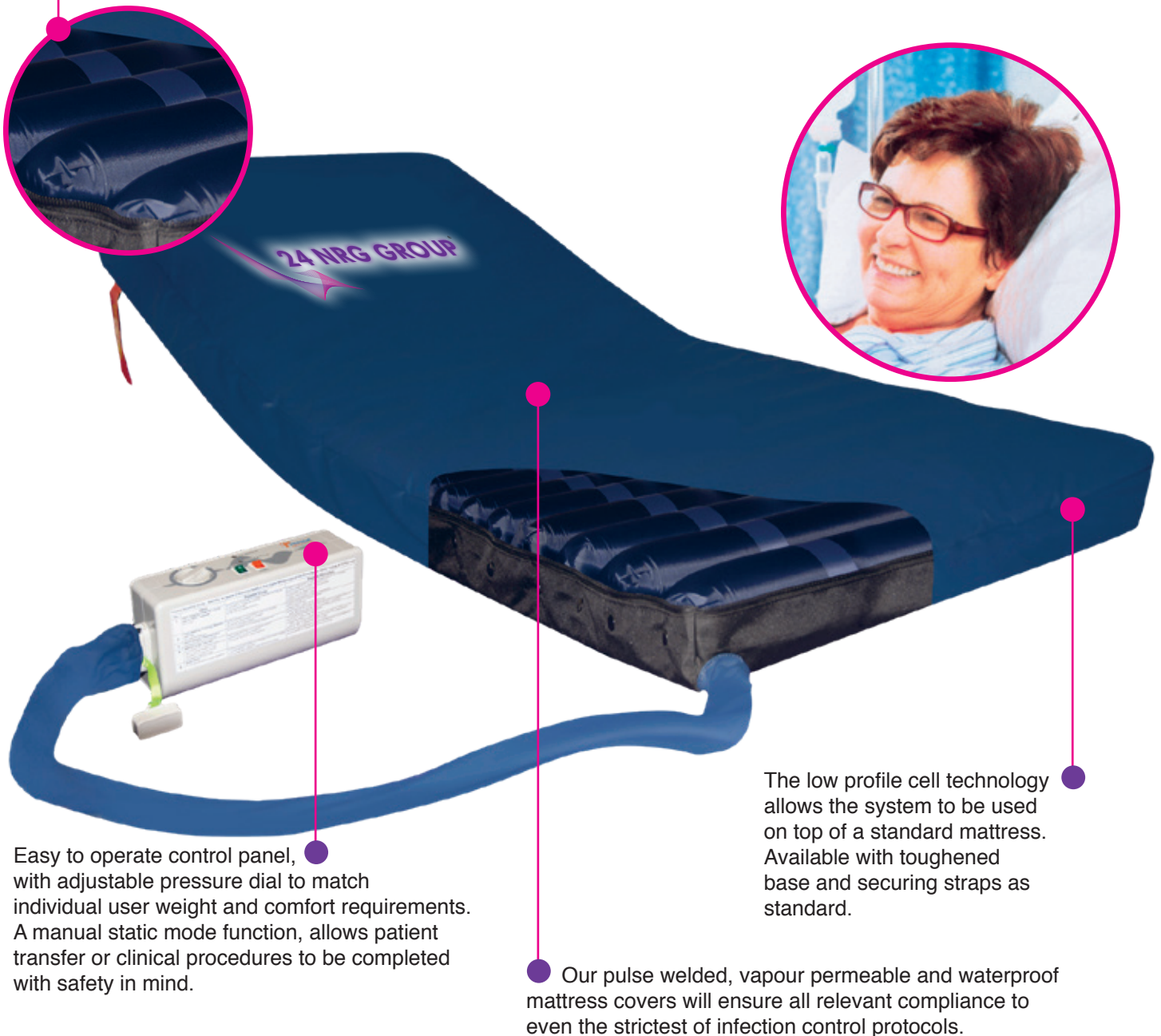
If you require additional information,  
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## 24 NRG TETBURY

The **24 NRG Tetbury** is the second generation mattress overlay system, of an economical consideration. It is designed for the prevention and treatment of skin breakdown / pressure ulcers development and targeted for patients deemed at high risk of pressure ulcer development.

Pressure Ulcer GRADES 1-3

**25 NRG Tentbury's** modern construction is made from 16 transverse cells, which are a comfortable 5 inches in height (or 115 mm). This height allows it to be placed on top of a standard hospital or basic mattress underlay system, for appropriate use. The cell inflates and deflates in an alternating pattern, being that of a one in two visual process. Our entry level dynamic mattress overlay offers true value for money for those on constrained budgets, whilst delivering the appropriate clinical care to those who need it most.







Features	Benefits
Multi-stretch, vapour permeable, antimicrobial, cover material	Aids infection control
Fully High Frequency welded product	Prevents fluid ingress
Low Profile Cell design	Ensures adequate application to a mattress replacement or underlay, whilst providing excellent pressure relief
CPR Function	Aids rapid deflation or medical attention
Transport Mode	Enables transport process for patient procedures
Static Mode Function	Provides safety during patient transfer
Clinically proven	Giving peace of mind to nursing staff and patients alike

● Technical Information	
Product Code	24NRGTETBURY
Risk Factor	High Risk
Maximum Patient Weight	24 stone or 150 kgs
Mattress Dimensions	200cm x 88cm x 13cm (place on mattress underlay / low profile static mattress)
Mattress Weight	Less than 7 kgs
Alternation Cycle	1 in 2
Alternation Time	10 –12 mins
Mattress Cover Coating	210 – 230 g (options available)
Pump Style	Analogue
Warranty	1 year– extended warranty available

If you require additional information,  
please telephone **08452 999 999**

# 24 NRG Highbury

24 NRG Healthcare have worked with key organisations and partners across the globe, in order to offer the very latest hybrid mattress technology – **24 NRG Highbury**. This amazing new product is designed with specific consideration towards heel damage and comfort for users at the heart of it's capabilities.

The usual benefits of a "hybrid" are naturally evident, providing a speedy delivery from a very high risk static mattress to that of a dynamic in a matter of seconds. As evidence suggests that heel damage can often be exacerbated with the use of true alternating system. Chosen to uniquely combine a static "anti shear wave management" device. When bed profiling occurs, even when adopting the Fowler position, heel damage can still occur. This unique patent pending design provides an innovative solution for Health care professionals, whilst coupling true comfort for patients.

**Fully Endorsed and clinically evaluated by Queens registered Tissue Viability Expert from the UK**

Comfort package available at a premium, for maximum patient relaxation, whilst delivering excellent Pressure care benefits throughout.

The UK manufactured, high frequency welded, vapour permeable and waterproof mattress covers, will ensure all relevant compliance to even the strictest of infection control protocols. It also provides non-slip bases and securing webbing as standard on all of our welded covers.

The easily stored hose access area, provides efficient and speedy storage from each function, between use as a static and alternating device. Infection control is maintained with a removable cover.

The ultra soft heel area gives great pressure re-distribution. This unique "wave cut" allows outstanding anti shear technology, whilst distributing normally vulnerable heel pressures back upto the calf.



Features	Benefits
Fully Welded, Multi stretch – vapour permeable fabric	Allows high moisture vapour transfer rate (MVTR), maximising airflow to patient skin surface. This keeps skin dry and reduces susceptibility to tissue damage. Hospital grade polyurethane (PU) fabric coating, designed for resistance to regular cleaning.
Leading Design / Safer Heel Solution	The clinically proven lower leg section, redistributes pressure from the heel to the upper leg (calf). This design utilises a greater surface area ( $\text{Pressure} = \text{Force} / \text{Area}$ ), thus creating minimal heel to surface contact. The “Shear Management foam waves”, reduce shear and friction forces, when used with the PU cover.
CME Foam surround & base	Maintains pelvic stability for transfer and aids moving and handling processes.
High Quality Foam Filled Cell Technology	Foam filled, alternating cells that automatically inflate to a comfort level in line with the very best pressure relieving surfaces.
Active Therapy Mode (WITH PUMP)	A digital pump can also be fitted to the mattress, which in turn provides dynamic or alternating pressure therapy. This mode is used to upgrade therapy from that of a very high risk static mattress.
Comfort Mode Selection	The digital pump can be adjusted in smaller increments of 5kg, unlike most systems. The pump is designed to offer ultra-low-pressure delivery, for light weight, frail individuals, including Paediatric patients. Our unit delivers from 10mmgh pressure up to a maximum of 52mmgh for heavy users and as such, rigorous testing has proven to achieve outstanding interface pressure, specific to the user body weight as a result.
Clever Hose Management Chamber	The Hose Management Chamber offers a completely enclosed compartment inside the mattress cover, removing all potential for infection and damage through misuse.
Unique CPR Function / Actions	There is no requirement to frantically search for the CPR function in an emergency. Simply detach the mattress from the pump and commence CPR. Due to the nature of foam filled cells under low pressure, then CPR can also be administered whilst inflated.
Easy Transportation	Workplace Health and Safety handles are integrated into the sides of the mattress cover, which assists in easy relocation for maintenance staff. Handles are positioned under the protecting “cover-flap” for effective infection control.

● Technical Information	
Product Code	24NRGHIGHBURY
Risk Factor	Very High Risk (up to and including Grade IV pressure ulcer)
Advisory Weight Limits	39 stone or 248kgs
Mattress Dimensions	198cm x 88cm x 16cm (sloping to 9cm at Heel end) - (suitable for most hospital / homecare beds, although other sizes available upon request)
Mattress Weight	<9kgs
Cycle Time	1 in 2
Cell Alternation Cycle	11.5 mins
Noise Output	Ultra-low - 45db
Pump Style	Available in both digital & analogue
Comprehensive Warranty	Mattress warranty is 5 years for foam and cover. Pump warranty is 2 years
Convenient Size Options	Available in single and larger configurations
Optimized Serviceability	Common cells and pump across sizes, minimizes service and maintenance costs across time

24 NRG Healthcare products should be used in conjunction with tissue viability protocols, alongside key nursing procedures, when establishing a pressure ulcer development plan. Please refer to the information in this booklet as a guideline only.

If you require additional information,  
please telephone **08452 999 999**

## 24 NRG ARLINGTON

The **24 NRG Arlington** is our second generation dynamic cushion used in the prevention and treatment of pressure ulcers for patients in all categories of risk. It provides comfort and support by maintaining a good level of blood flow around the body whilst seated.

### Pressure Ulcer GRADES 1-4

The **24 NRG Arlington** contains a unique horizontal cell design that alternately inflates and deflates in a cyclical pattern. This type of cushion is ideal for patients who spend a proportion of their day in long term care, using a chair and is used in conjunction with a dynamic mattress system, under the required supervision.

Easy to operate control panel, with adjustable dial to aid pressure settings. Used to match individual user weight and comfort requirements.



The pulse welded, vapour permeable and waterproof cushion covers will ensure all relevant compliance to even the strictest of infection control protocols.



The cushion cell technology ensures the highest level of care is achieved, including those with severe damage. Available with toughened base and securing straps available as an option.





Features	Benefits
Multi-stretch, vapour permeable, antimicrobial, cover material	Aids infection control
Fully Pulse Welded Product	Prevents fluid ingress
Cell Design	Aids patient comfort, whilst providing excellent pressure relief
Attractive Pump Design	Allows carer to select appropriate comfort setting, whilst being easy to operate
Transport Mode	Enables ward / patient procedures
Static Mode Switch	Allows safe patient transfer to take place
Clinically Proven	Giving peace of mind to nursing staff and patients alike

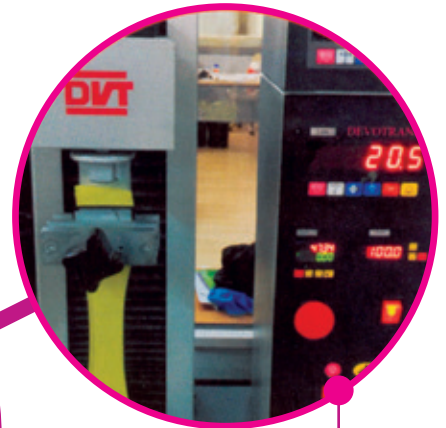
● Technical Information	
Product Code	24NRGARLINGTON
Risk Factor	Very High Risk
Maximum Patient Weight	24 stone or 150 kgs
Cushion Dimensions	46cm x 46cm x 10cm (suitable for standard arm chair / hospital chair)
Cushion Weight	Less than 3 kgs
Alternation Cycle	1 in 2
Alternation Time	10 –12 mins
Cushion Cover Coating	210 – 230 g (options available)
Pump Style	Analogue (digital pump available at a premium)
Warranty	1 year – extended warranty available

If you require additional information,  
please telephone **08452 999 999**

# MATERIAL FACTS

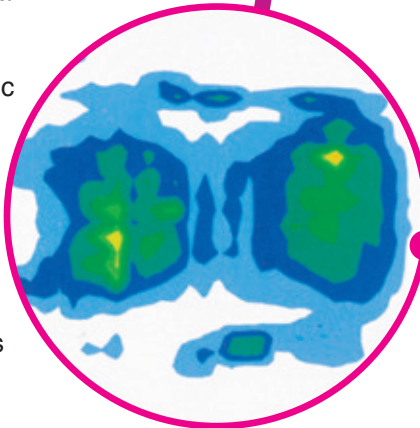
24 NRG Healthcare confirms that only the very finest raw materials are used throughout the stringent manufacturing processes. Only by using industry bodies and thorough testing protocols, can we ensure that the very best products are produced. The following information is provided as a brief insight to some of the best processes within the sector, available today.

All materials within the 24 NRG Healthcare range are fully abrasion tested. The machine operates in a circular motion on top of the fabric surface in order to monitor wear levels, in accordance with the relevant British Standards.



The tensile strength of materials is very important in terms of the overall general performance. However, in the instance of pressure reducing materials, the elasticity or stretch characteristics, which work with the skins surface are also critical. Here, the test machinery ensures that the fabrics exceed the standard requirements.

A high frequency welded cover envelopes the final product, which is available as standard. However, the hydrostatic head testing systems ensure that if the material is cared for in line with manufacturers guidelines, complete confidence is achieved throughout the products life cycle.



24 NRG Healthcare confirms that clinical and key opinion leaders have worked closely in order to create a comprehensive portfolio of clinical evidence with substance. All evaluations have taken place on live subjects, with often the most severe of wound grades.



# PRODUCT QUALITY

Here are some interesting facts about the UK and partner manufactured dynamic mattress and cushion systems.

24 NRG Healthcare assures that all high end systems have been clinically evaluated, using acutely high risk patient groups.

Only by using years of combined experience both within the pressure reducing and pressure relieving markets, has it been able to develop the relevant foam grades to produce some of the finest products available in the UK to our customers and at very competitive prices.

The product assembly and interrogation processes ensure that product quality and clinical consistency is achieved throughout the product life cycle.

Materials are welded using state of the art machinery, ensuring effective infection control and ingress protection is adhered to. By using years of combined experience within both the pressure relieving / moving & handling markets, has enabled the development of the relevant systems that in turn produce some of the finest products available in the UK and at very competitive prices.

