



Moving Health Forward

# Intelligent Pressure Care

## Product Range

Hybrid Mattresses

Static Mattresses

Dynamic Mattresses

Cushions

Accessories

# Direct Healthcare Group

Advancing Movement & Health®

WE ALL NEED TO MOVE TO LIVE.

HUMAN MOVEMENT IS FUNDAMENTAL TO OUR HEALTH AND QUALITY OF LIFE.

Direct Healthcare Group uniquely enables the healthcare challenges associated with reduced patient movement to be anticipated, managed, and in many cases, resolved to support care providers and patients.

All leading to better health outcomes, accelerated recovery and easier daily living.

Direct Healthcare Services

Intelligent Pressure Care



Specialist Seating



Rental & Service Solutions

Intelligent Pressure Care Management



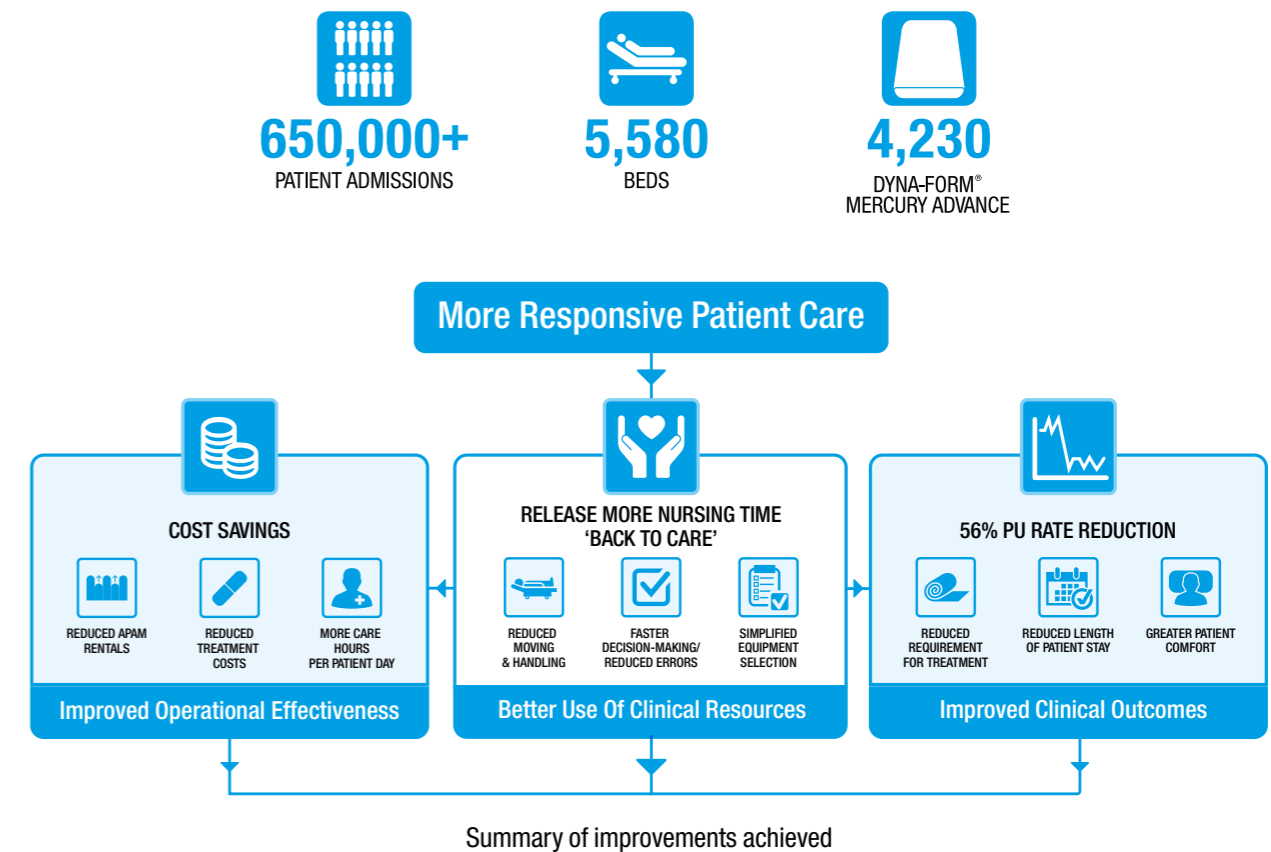
With healthcare agendas focused on achieving improved clinical outcomes and operational efficiencies, Intelligent Pressure Care Management delivers both by transforming the Pressure Ulcer Prevention care delivery model.

The Intelligent solution is not only clinically proven but designed to make a measurable difference to Pressure Ulcer Prevention and other key healthcare metrics related to efficiency savings, better use of clinical resources and average length of patient stay.

Independent expert evaluations and real world evidence demonstrate the positive impact of Intelligent Pressure Care Management.

### Real-world evidence from a large-scale multisite evaluation of a hybrid mattress<sup>1</sup>

A large scale, multi-site review of hybrid implementation concludes that the powered hybrid support surface alters the process of pressure ulcer prevention care delivery, in turn delivering improved patient outcomes alongside improved operational effectiveness.



“...where people are empowered to embrace available innovations it is very possible to deliver improved patient outcomes alongside improved operational effectiveness.”<sup>1</sup>

# Mercury Advance SMARTcare®

## A Step Change in Care Delivery

Mercury Advance SMARTcare® transforms the Pressure Ulcer Prevention care delivery model, supporting improved clinical outcomes and operational productivity.

- ✓ 56% REDUCTION IN PRESSURE ULCER INCIDENCE<sup>1</sup>
- ✓ PATIENTS ON APPROPRIATE SUPPORT SURFACE UP TO 7 HOURS FASTER<sup>2</sup>
- ✓ UP TO 6,500 HOURS OF NURSING TIME RELEASED 'BACK TO CARE'<sup>2</sup>
- ✓ UP TO 55% COST SAVINGS ON TRADITIONAL DYNAMIC MATTRESS APPROACH<sup>2</sup>

Designed to support and empower clinical choice, Intelligent Pressure Care Management is clinically proven to reduce pressure ulcer incidence whilst delivering improved operational efficiencies.

Intelligent Pressure Care Management ensures best use of clinical resources to deliver more responsive patient care, measurably improved patient outcomes and significant cost savings.

Utilising the award-winning Mercury Advance SMARTcare® patient support system, Intelligent Pressure Care Management is an innovative solution in the prevention and treatment of pressure ulcers.

### A New Generation Hybrid Support Surface

Mercury Advance SMARTcare® now offers more effective dual therapy delivery in a single surface, by combining advanced, clinically proven technologies previously only available in separate hybrid surfaces. Advanced air displacement technology, incorporated in a unique 4 zone configuration, now provides more effective pressure redistribution when the surface is used in non-powered mode. When used in powered mode, the unique 'foam in air cell' design delivers effective pressure relief.

When used in conjunction with a SMARTresponse® power unit, Mercury Advance SMARTcare® can be programmed to either automatically or remotely 'step up' patient care in response to clinical judgement and real time patient movement information.

### How it Works

Hybrid support surfaces are clinically proven to support the prevention and treatment of pressure ulcers. Representing a step change in care delivery, achieved by reducing the number of steps and time involved in getting patients onto the right support surface, hybrid solutions are also a more cost effective solution, promoting best use of resources when compared to the traditional use of standard high specification foam and alternating pressure air mattresses.

This single, cost-effective solution can easily be stepped up from Static to Dynamic mode, and down again when deemed clinically appropriate, with no delays, associated administration or moving and handling requirements for patient transfer.

When used in non-powered mode, clinically proven advanced air displacement technology continually optimises pressure redistribution in response to patient body weight and movement. The unique 'air only' heel zone effectively offloads pressure on the vulnerable heel area. When used in powered mode Mercury Advance SMARTcare® delivers pressure relief via a series of connected alternating foam and air cells. Unencumbered by a top layer of foam on the mattress, the unique 'foam in air cell' construction ensures the delivery of effective pressure relieving therapy. Dependant on clinical judgement, the alternating function can be operated on either a LO or HI Pressure.

With the addition of a SMARTresponse® power unit, Mercury Advance SMARTcare® can be programmed to either step up patient care automatically or remotely when a period of no patient movement has been detected. Supporting clinical choice and the earliest intervention, SMARTresponse® can pro-actively communicate 'real time' patient information directly to the clinician, via either a mobile device message or a desktop ward view.

Mercury Advance SMARTcare® combines the most innovative and clinically proven pressure care technologies in a single support surface.

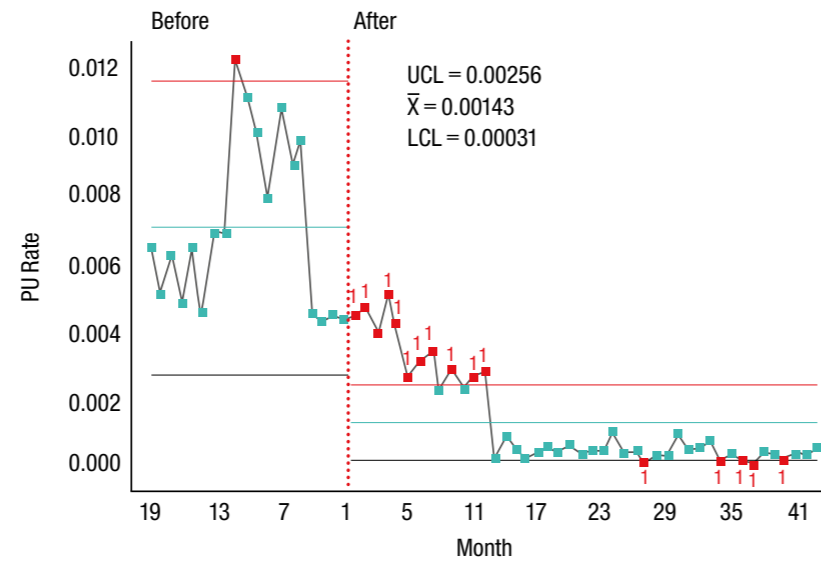


MORE EFFECTIVE, CONTINUALLY OPTIMISED PRESSURE REDISTRIBUTION	EFFECTIVE PRESSURE RELIEF THERAPY	PROGRAMMABLE FEATURES SUPPORT THE EARLIEST INTERVENTION WHERE THE MOST RESPONSIVE CARE IS REQUIRED
<ul style="list-style-type: none"> <li>• High specification CME foam and air cell construction</li> <li>• Advanced air displacement technology continually optimises pressure redistribution in response to patient weight and movement</li> <li>• 'Air only' heel zone effectively offloads pressure on this vulnerable area</li> </ul>	<ul style="list-style-type: none"> <li>• Simply add power unit for alternating function</li> <li>• Unique 'foam in air cell' construction for more effective therapy delivery</li> <li>• 10 minute, 2 in 1 alternating cycle</li> <li>• Choice of LO or HI Setting</li> </ul>	<ul style="list-style-type: none"> <li>• Identical mattress and therapy delivery as 1 &amp; 2</li> <li>• Step Up care automatically after a period of patient non-movement</li> <li>• Step Up care remotely when notified of a period of patient non-movement</li> </ul>

### 56% Reduction in Pressure Ulcer Incidence

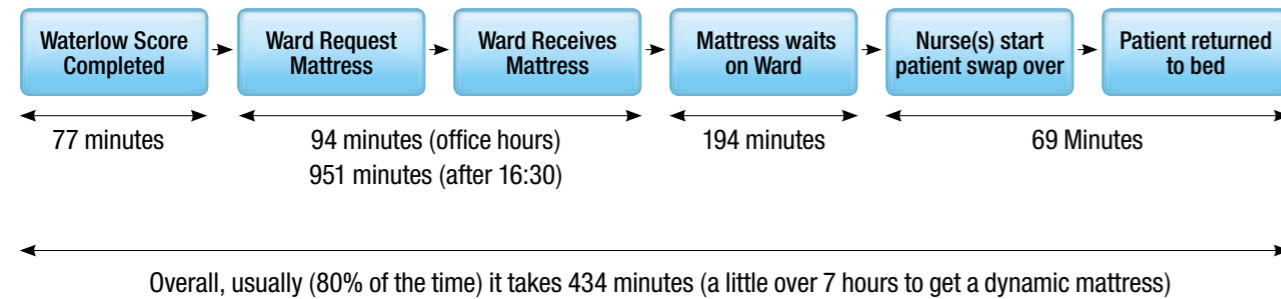
A large scale, long term evaluation examining the implementation of Intelligent Pressure Care Management concluded that the solution represents a significant step change in care delivery, with results demonstrating a 56% reduction in PU occurrence alongside significant improved operational efficiencies.

A retrospective analysis of PU data both pre- and post- hybrid implementation also showed that the reduction was sustained.



### Patients on appropriate support surface up to 7 hours faster

Prior to the implementation of Intelligent Pressure Care Management the study showed that it could take up to over 7 hours to transfer patients onto a Dynamic mattress following a clinical requirement being identified.



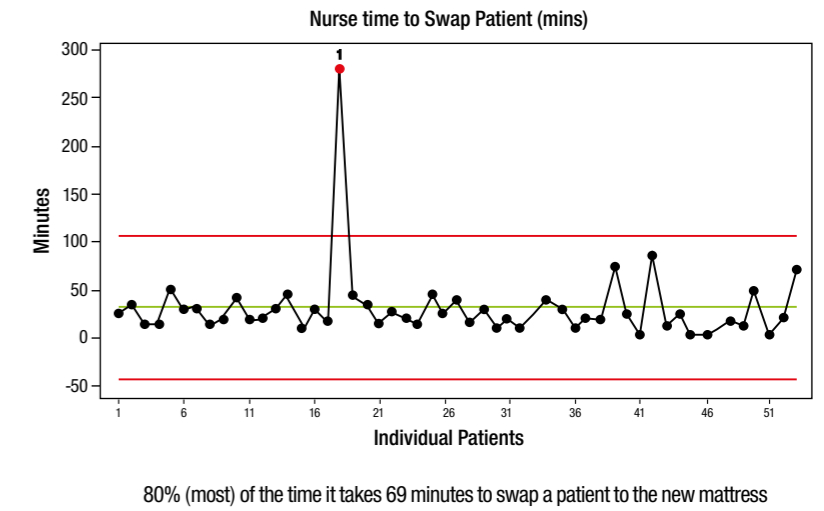
With susceptible patients at risk of developing a full-thickness pressure ulcer in just one or two hours<sup>3</sup> the reduction of this delay could potentially prevent a proportion of hospital acquired pressure ulcers. By eliminating the requirement for patient transfer, and the various delays associated with requesting a different support surface, Intelligent Pressure Care Management reduced the measure of over 7 hours to zero.



### Up to 6,500 hours of Nursing Time released 'back to care'

The time savings achieved by reducing the processes, and removing the requirements for moving and handling assistance and administration were calculated to be considerable.

Following implementation of Intelligent Pressure Care Management the extrapolated results over a 12 month period demonstrated the potential to release up to 6,500 hours of nursing time 'back to care'.



### Up to 55% cost savings on traditional Dynamic mattress approach

Budget Impact				
Royal Wolverhampton NHS Trust				
Current Costs		5% Reduction		
Local Allocation of Pressure Ulcer Care	Local Allocation of Pressure Ulcer Care	Local Allocation of Pressure Ulcer Care	Local Allocation of Pressure Ulcer Care	Local Allocation of Pressure Ulcer Care
£3,198,000	£362,000	£111,851	£0	£490,000
Potential Savings				
Reduction of PU Pressure Ulcers	Reduction of PU Pressure Ulcers	Reduction of PU Pressure Ulcers	Reduction of PU Pressure Ulcers	Reduction of PU Pressure Ulcers
£160,200	£19,000	£114,321	£0	£600,000
£155,820	£17,000	£111,058	£0	£600,000

Total Savings	
Total saving based on reduction in all PUs	Total saving based on reduction in new PUs
Year 1 £390,621	Year 1 £240,042
Year 2 £851,878	Year 2 £726,358

Intelligent Pressure Care Management | Making a Measurable Difference

Direct Healthcare Services Representatives offer free of charge Intelligent Business Case consultations using the latest health economic modelling tool and SPC analysis. Please contact our Sales Offices for more information.



The new generation hybrid support surface

# Mercury Advance SMARTcare®

A Step Change in Care Delivery

The new generation Mercury Advance SMARTcare® is a powered hybrid mattress replacement system specifically designed for patients considered to be at 'Very High Risk' of pressure ulcer development.

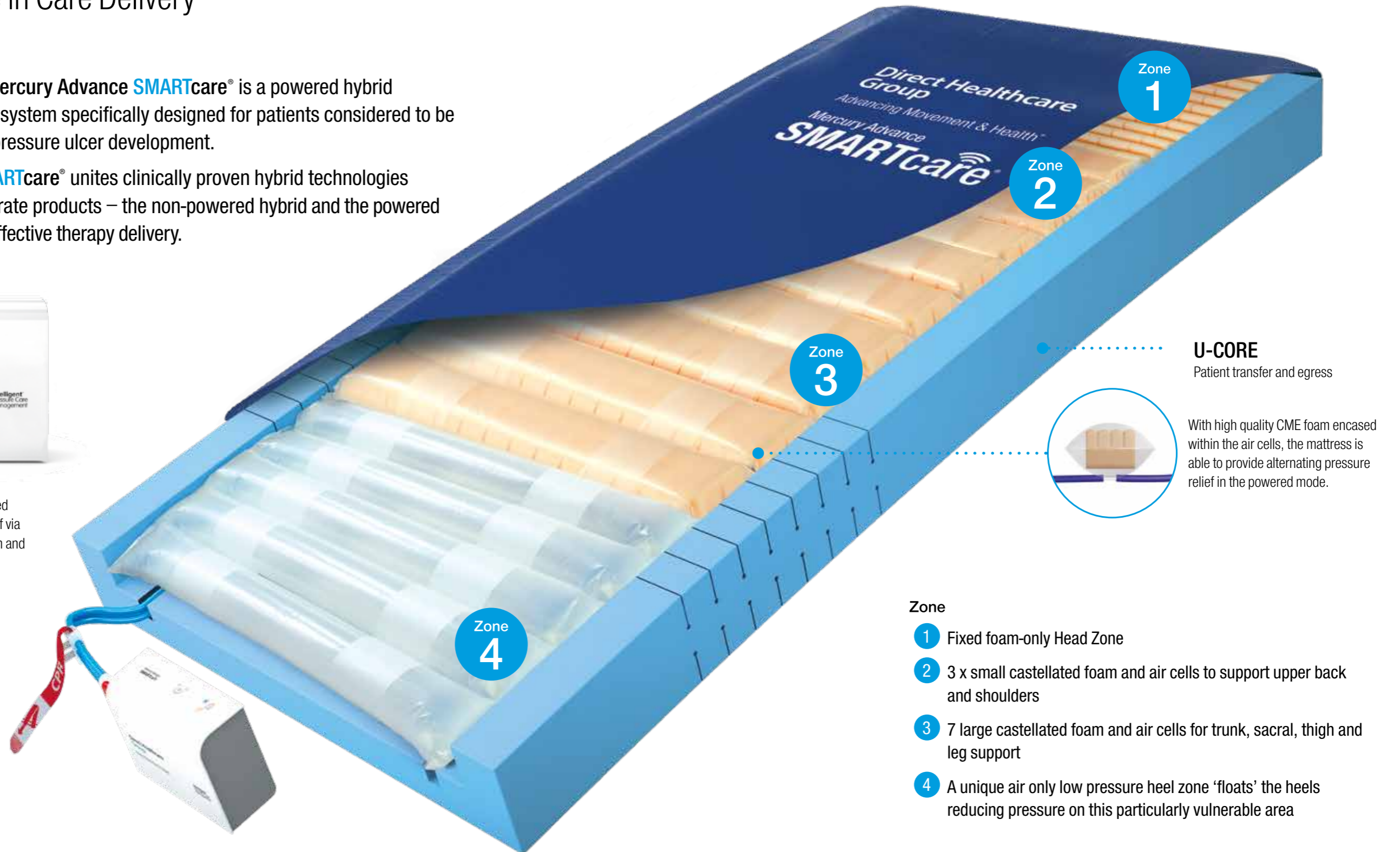
Mercury Advance SMARTcare® unites clinically proven hybrid technologies currently used in separate products – the non-powered hybrid and the powered hybrid – for the most effective therapy delivery.



The system can be used in powered mode to deliver true pressure relief via a series of specially designed foam and air cells that alternate on a 10 minute cycle.

Specialist 'Zoned Support' Foam & Air Cell Configuration

The most advanced air displacement technology responds to patient body weight and movement for more effective pressure redistribution in static mode.



**U-CORE**  
Patient transfer and egress

With high quality CME foam encased within the air cells, the mattress is able to provide alternating pressure relief in the powered mode.

**Zone**

- 1 Fixed foam-only Head Zone
- 2 3 x small castellated foam and air cells to support upper back and shoulders
- 3 7 large castellated foam and air cells for trunk, sacral, thigh and leg support
- 4 A unique air only low pressure heel zone 'floats' the heels reducing pressure on this particularly vulnerable area

The new generation hybrid support surface

# Mercury Advance SMARTcare<sup>®</sup>

with SMARTresponse<sup>®</sup>

Available in 2018

For the most responsive care delivery, or logistically demanding scenarios, upgrade the power unit to SMARTresponse<sup>®</sup> for the earliest intervention.

Suitable for both community and acute care settings, SMARTresponse<sup>®</sup> utilises the latest communication and patient movement technologies, enabling the 'stepping up' of patient care either automatically or remotely when a period of patient inactivity has been detected.

With the focus on clinical choice, SMARTresponse<sup>®</sup> empowers healthcare providers to achieve earlier intervention in pressure ulcer prevention.



Auto Start

Selecting Auto Start allows the system to automatically 'step up' care when no patient movement has been detected for a period of time.



Alert Me

Alert Me sends a message directly to the care provider when no patient movement has been detected for a period of time.



Fall Detector

Fall Detector can be activated through the night to detect bed exit events. In the event someone has fallen out of bed, an alert is sent directly to the care provider.





Direct Healthcare Group work with the world's leading clinical experts to ensure our products are reliable, safe and effective at supporting healthcare providers deliver pressure care solutions. With over 30 years' experience designing and manufacturing pressure care products, all products in the Direct Healthcare Services Product Range are supported with robust clinical evidence.

All products are manufactured to standards:



### Guide to Product Range Symbols

The Risk Category symbols contained in our product information correspond with the Waterlow Pressure Ulcer Prevention/Treatment Policy as detailed. The colour of the different Risk Categories also corresponds with the Purpose T Pressure Ulcer Risk Assessment framework.



**20+ Very High Risk Waterlow Score**  
Suitable for use with patients clinically evaluated to be at Very High Risk of developing pressure damage.



**15+ High Risk Waterlow Score**  
Suitable for use with patients clinically evaluated to be at High Risk of developing pressure damage.



**10+ At Risk Waterlow Score**  
Suitable for use with patients clinically evaluated to be At Risk of developing pressure damage.

Please note that all Pressure Ulcer risk assessment systems are not intended to be used prescriptively for equipment selection or replace clinical judgement which should always be the overriding factor in pressure ulcer prevention and treatment planning.

### Clinical Application

Our product range is designed to provide solutions for use on all categories of pressure ulcers, in the prevention and treatment stages up to and including category IV. Direct Healthcare Services mattress systems work in conjunction with good nursing procedures and in line with tissue viability protocols.

I



II



III



IV



Images supplied by the Welsh Wound Innovation Centre.

Direct Healthcare Group products are available in a range of different cover fabrics, all designed to protect the core of the mattress or cushion in line with Tissue Viability and Infection Control protocols, whilst ensuring optimum patient comfort.

### Dyna-Form® Cover Fabric best for general use

Suitable for use across a diverse range of healthcare settings, our standard cover fabric is a highly durable, multi-stretch, vapour permeable cover with a toughened polyurethane base. The cover properties contribute towards the infection control and tissue viability standards of a modern hospital, nursing or homecare environment.

### Dyna-Form® Pro-Formance Fabric best for a long lifespan

Our Dyna-Form® Pro-Formance™ Fabric is the very latest, high durability fabric, designed in conjunction with healthcare professionals and polyurethane coating specialists Dartex Coatings. Launched following an extended research and trial period Dyna-Form® Pro-Formance™ is designed with primary pressure area care delivery, coupled with extensive longevity at the very forefront of the product.

### Dyna-Form® Vapour-Flow™ best for microclimate

Dyna-Form® Vapour-Flow™ is a mattress cover fabric designed to support improved microclimate management.

With a significantly higher MVTR than standard cover fabrics, Dyna-Form® Vapour-Flow™ utilises our most advanced moisture vapour transfer technologies.

Dyna-Form® Vapour-Flow™ has been designed specifically for medical mattress applications in collaboration with Dartex Coatings, world leaders in medical support surface fabrics.



**Cooling Effect**  
50% MVTR



**Microclimate**  
controls temperature and humidity



**100% Waterproof**



**4-Way Stretch**  
minimises friction and shear



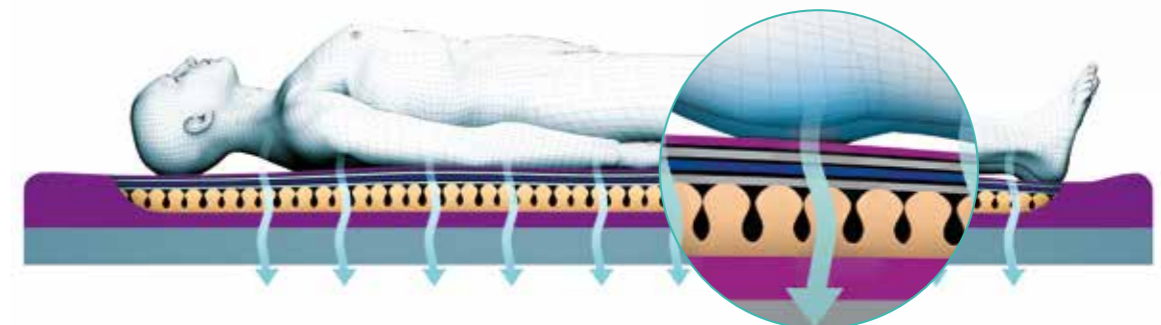
**Breathable**  
water vapour easily passes through



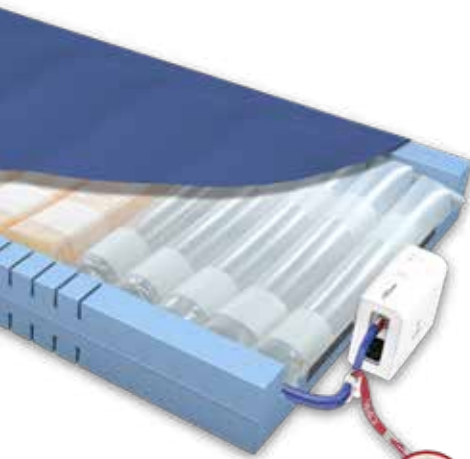
**4 Year Warranty**

### How Does It Work?

Whilst remaining completely waterproof, the unique molecular structure of Dyna-Form® Vapour-Flow™ allows water vapour to pass through up to five times faster than a standard fabric, producing a 'cooling effect' and helping to contribute to the control of both temperature and humidity. The wipe-clean cover fabric also features 4-way stretch to help minimise the effects of shear and friction forces.



## HYBRID MATTRESS RANGE



### Mercury Advance SMARTcare®

**Mattress Replacement System**  
MAT1610001  
**Weight limit:** 40 stone / 254kg capacity  
**Cycle Time:** 10 minutes  
**Warranty:** 2 Years



Mercury Advance Smartcare® is clinically proven to support the prevention and treatment of pressure ulcers. Representing a step change in care delivery, achieved by reducing the number of steps and time involved in getting patients onto the right support surface, Mercury Advance Smartcare® is also a more cost effective solution, promoting best use of resources.

Mercury Advance Smartcare® can easily be stepped up from Static to Dynamic mode, and down again when deemed clinically appropriate, with no delays, associated administration or moving and handling requirements for patient transfer.

#### Dynamic Hybrid Mattress



### Dyna-Form Mercury Advance

**Mattress Replacement System**  
MAT1210001  
**Weight limit:** 40 stone / 254kg capacity  
**Cycle Time:** 10 minutes  
**Warranty:** 2 Years



The Dyna-Form® Mercury Advance mattress is a dynamic replacement system, combined with the benefits of modern foam technology.

Offering high levels of patient comfort, this unique system has the facility to 'step up' to that of a dynamic mattress when clinically required. Similarly, the mattress function can be 'stepped down' as necessary.

Please note this product is also available with PU covered umbilical.

#### Dynamic Hybrid Mattress



### Dyna-Form Mercury Advance Bari

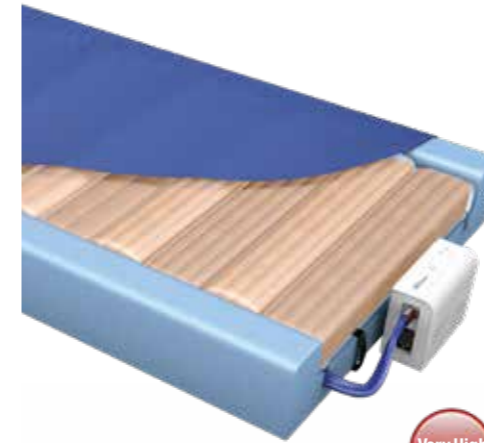
**Mattress Replacement System**  
MAT1510001  
**Weight limit:** 60 stone / 380kg  
**Cycle Time:** 10 minutes  
**Warranty:** 2 Years



The Dyna-Form® Mercury Advance Bari mattress is a 'Very High Risk' dynamic replacement system, combined with the benefits of modern foam technology.

Offering high levels of patient comfort, this unique system has the facility to "step up" to that of a dynamic mattress when clinically required. Similarly, the mattress's function can be downgraded as the patient's condition improves.

#### Dynamic Hybrid Mattress



### Dyna-Form Mercury Advance Trolley

**Mattress Replacement System**  
MAT1260001  
**Weight limit:** 40 stone / 254kg capacity  
**Cycle Time:** 10 minutes  
**Warranty:** 2 Years



The Dyna-Form® Mercury Advance Trolley Mattress has been designed especially for users considered to be that of "Very High Risk" of pressure ulcer development in potentially lengthy A&E waiting environments.

This product can be made to measure in order to fit most trolley designs and is ideal for use in busy A&E departments that have an extensive patient turnover. Offering high levels of patient comfort, this system has the facility to "step up" to that of a dynamic mattress when clinically required. Similarly, the mattress function can be downgraded as the patient's condition improves.

#### Dynamic Hybrid Mattress



### Dyna-Form Static Air HZ

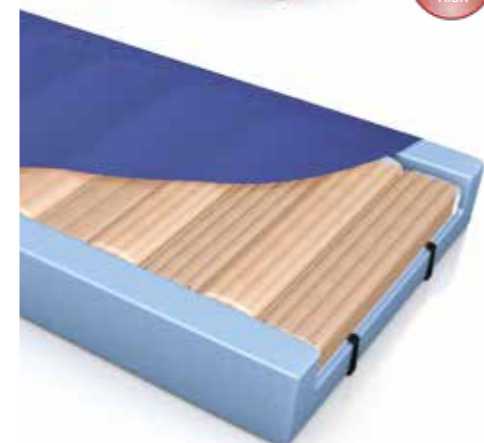
**Static Mattress Replacement**  
MAT0510001  
**Weight limit:** 40 stone / 254kg  
**Warranty:** 5 Years



Dyna-Form® Static Air HZ – A New Generation of Static Support Surface, developed in conjunction with the Welsh Wound Innovation Centre. Dyna-Form® Static Air HZ is a mattress replacement system that combines the benefits of effective air displacement technology with the best of modern foams for a new standard of innovative pressure ulcer prevention and management.

A new and unique 'air only' Intelligent Heel Zone and specially designed U-Core effectively offload pressure on the particularly vulnerable heel area. Dyna-Form® Static Air HZ is specifically designed for patients considered to be at "Very High Risk" of pressure ulcer development.

#### Static Hybrid Mattress



### Dyna-Form Mercury Static Air

**Mattress Replacement System**  
MAT0810001  
**Weight limit:** 40 stone / 254kg capacity  
**Warranty:** 2 Years



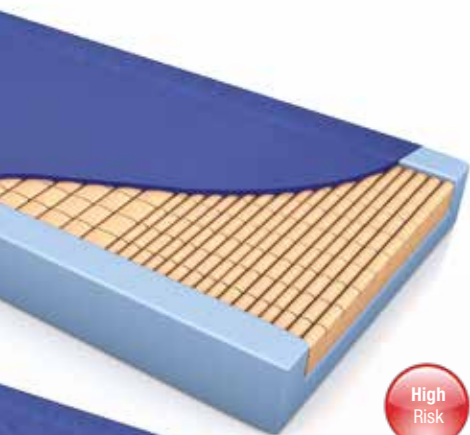
The Dyna-Form® Mercury Static Air mattress is specifically designed for users considered to be at "Very High Risk" of pressure ulcer development, combining the benefits of effective air displacement technology with the best of modern foams for excellent pressure reduction.

With patient compliance enhanced through the high levels of comfort offered and requiring no powered pump the system is ideal in community and palliative care settings whilst the clinical benefits and ease of use make it equally suitable in the acute ward environment. Incorporating 14 air and foam filled cells, a patented valve system allows Reactive Airflow System (RAS™) technology to displace and adjust to the patient's body weight and movement.

#### Static Hybrid Mattress



## STATIC MATTRESS RANGE



### Dyna-Form Mercury

**Static Mattress Replacement**  
MAT0110001

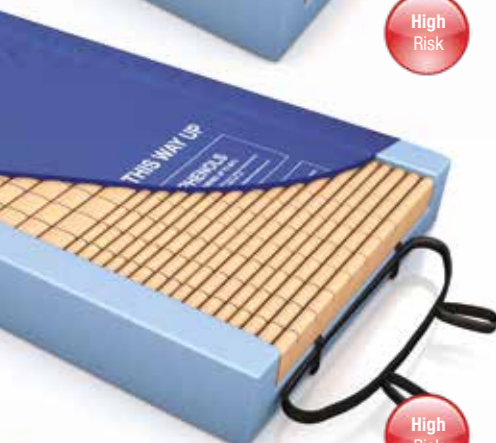
**Weight limit:** 40 stone / 254kg

**Warranty:** 8 Years Foam / 4 Years Cover



The Dyna-Form® Mercury mattress comprises of a specialist 'castellated cut' at the patient interface and a combination of the highest quality Combustion Modified High Resilient foam, providing excellent pressure redistribution properties, great patient comfort and product longevity.

Also available with cold foam.



### Dyna-Form Mercury Fire Evac

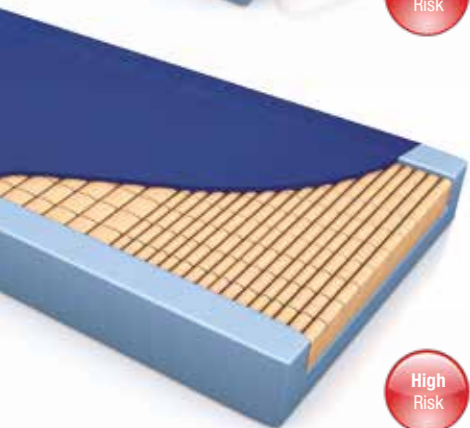
**Static Mattress Replacement**  
MAT0610001

**Weight limit:** 40 stone / 254kg

**Warranty:** 8 Years Foam / 4 Years Cover



The Dyna-Form® Mercury Fire Evacuation mattress has been designed to ensure that in the unfortunate event of a fire occurring within your hospital, then each and every patient has an evacuation system within easy reach. With an ever growing and aging population it is becoming increasingly difficult to know just how many bed bound patients there are within the hospital at any one time, and therefore just as impossible to know that there are enough fire evacuation systems available.



### Dyna-Form Mercury Safety 7

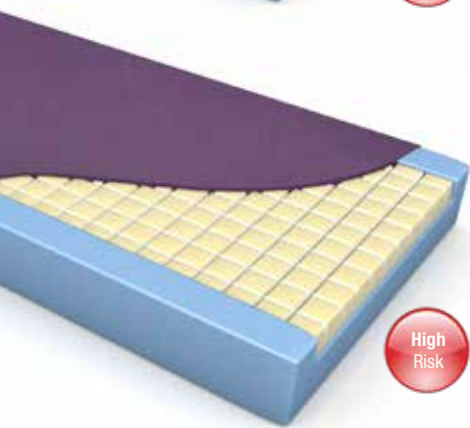
**Static Mattress Replacement**  
MAT0710001

**Weight limit:** 40 stone / 254kg

**Warranty:** 8 Years Foam / 4 Years Cover



The Dyna-Form® Mercury Safety 7 mattress is a Crib 7 standard surface which is fully sealed and designed to withstand deliberate or accidental damage, making it suitable for use in environments where challenging behaviour may be an issue (e.g. secure units, bail hostels, psychiatric and mental health units). Dyna-Form® Mercury Safety 7 is designed for users considered to be at "High Risk" of pressure ulcer development, blending the finest quality Combustion Modified Ether foam (CME) to provide not only the best pressure re-distribution properties, but great patient comfort & product longevity.



### Dyna-Form Saturn

**Static Mattress Replacement**  
MAT0310001

**Weight limit:** 40 stone / 254kg

**Warranty:** 8 Years Foam / 4 Years Cover



The Dyna-Form® Saturn mattress is designed for users considered to be that of "High Risk" of pressure ulcer development and for patients requiring complete comfort, whilst maintaining the highest pressure care support from a static mattress. By using a blend of temperature sensitive, visco elastic foam at patient interface with the finest quality CME foam, the Dyna-Form® Saturn provides excellent pressure re-distribution properties, but with patient comfort foremost considered within its design.



### Dyna-Form Trolley Mattress

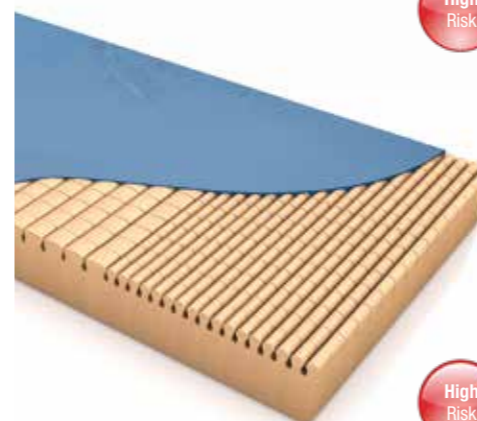
**Mattress Overlay System**  
MAT0410080

**Weight limit:** 26 stone / 165kg

**Warranty:** 1 Year



The Dyna-Form® Trolley Mattress has been designed especially for users considered to be that of "High Risk" of pressure ulcer development in potentially lengthy A&E waiting environments. This product can be made to measure in order to fit most trolley designs. Dyna-Form® design quality comprises of a specialist "castellated cut" CME foam surface, complete with a high frequency welded, multi-stretch, vapour permeable cover and non-slip base. This product is ideal for use in busy A&E departments that have an extensive patient turnover.



### Dyna-Form Jupiter

**Static Mattress Replacement**  
MAT0210001

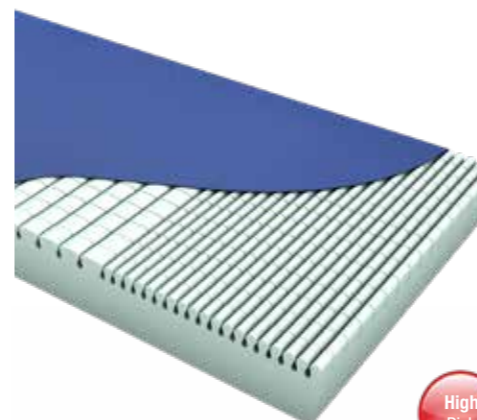
**Weight limit:** 26 Stone / 165kg

**Warranty:** 3 Years



The Dyna-Form® Jupiter mattress can be used with patients considered to be up to that of "High Risk" of pressure ulcer development. Using modern foam designs, castellated on one side to aid pressure ulcer management, whilst providing excellent patient comfort; this mattress can be used without a turning programme, aiding moving & handling procedures. Jupiter can work comfortably with any electric profiling bed frame. Its durable design uses only the very best CME foam & fabrics to provide a modern mattress complete with infection control enhancing cover.

Also Available in Pro-Formance™ Strikethrough Resistant Cover.



### Dyna-Form Community

**Static Mattress Replacement**  
MAT2410001

**Weight limit:** 26 Stone / 165kg

**Warranty:** 3 Years



The Dyna-Form® Community mattress can be used with patients considered to be up to that of "High Risk" of pressure ulcer development. Using modern foam designs, castellated on one side to aid pressure ulcer management, whilst providing excellent patient comfort; this mattress can be used without a turning programme, aiding moving & handling procedures. The Dyna-Form® Community mattress can work comfortably with any electric profiling bed frame. Its durable design uses only the very best CME foam & fabrics to provide a modern mattress complete with infection control enhancing cover.



### Dyna-Form Mattress Overlay

**Mattress Overlay System**  
MAT0410001

**Weight limit:** 26 Stone / 165kg

**Warranty:** 2 Years



The Dyna-Form® Mattress Overlay has been created for users considered to be "At Risk" of pressure ulcer development. To be used in conjunction with any standard mattress, Dyna-Form® design quality comprises of a specialist "castellated cut" CME foam surface, complete with a sewn multi-stretch, vapour permeable cover and non-slip base. This product is ideal for use in the homecare environment.



## DYNAMIC MATTRESS RANGE



### Dyna-Form<sup>®</sup> Air Suresse

**Mattress Replacement System**  
MAT1110001

**Weight limit:** 40 stone / 254kg

**Cycle Time:** 12 minutes

**Warranty:** 2 Years



Clinical Application / PU Category



The Dyna-Form<sup>®</sup> Air Suresse mattress is the latest high dependency, dual-therapy, dynamic mattress replacement system within the DHS range of products.

The Air Suresse features continuous low pressure therapy, equalising pressure within the cells to allow for greater immersion into the mattress surface and optimum pressure redistribution.

This product is manufactured with a dual compressor system, allowing suitable application to those much larger, complex patients and a 40 stone / 254kg weight limit as standard. This modern pump technology also comes equipped with a true fault diagnostic system, providing potential, rapid minor problem diagnosis and therefore real peace of mind.



### Dyna-Form<sup>®</sup> Air Pro-Plus

**Mattress Overlay System**  
MAT1310001

**Weight limit:** 28 stone / 178kg

**Cycle Time:** 10 minutes

**Warranty:** 2 Years



Clinical Application / PU Category



The Dyna-Form<sup>®</sup> Air Pro-Plus mattress is part of the latest developed, dynamic mattress replacement systems available from DHS. This modern technology actually comes equipped with a true fault diagnostic system. The sleek pump design provides ease of use to any carer, whilst removing the "risk" of inappropriately selecting the wrong pressure setting.

It's pressure adjustment system, deemed suitable for patients up to and including 28 stone / 178kg and that of "Very High Risk" of pressure ulcer development, ensures that this product is suited to that of any health or homecare environment.

## CUSHION RANGE



### Dyna-Form<sup>®</sup> Mercury Advance Alternating Cushion

**Product Code**  
CUS1210001

**Weight limit:** No minimum weight limit. Product evaluated to 24 stone / 152Kg capacity

**Cycle Time:** 10 minutes

**Warranty:** 2 Years



Clinical Application / PU Category



The Dyna-Form<sup>®</sup> Mercury Advance Alternating Cushion is a dynamic replacement seating system, combined with the benefits of modern foam technology. It is specifically designed for patients considered to be at "Very High Risk" of pressure ulcer development.

Offering high levels of patient comfort, this unique system has the facility to "step up" to that of a dynamic cushion when clinically required. Similarly, the cushion function can be 'stepped down' as the patient's condition improves. A higher maximum weight capacity, up to 24 stone / 152kg, allows the product to meet the challenges of heavier patients.



### Dyna-Tek<sup>®</sup> Intelligent Air

**Product Code**  
CUS0810012

**Weight limit:** 24 stone / 152Kg

**Warranty:** 2 Years



Clinical Application / PU Category



The Dyna-Tek<sup>®</sup> Intelligent Air cushion sets a brand new standard in innovative wheelchair seating, delivering superior 'bespoke' pressure redistribution without the need for any set up or re-pumping air lost over time.

Dyna-Tek<sup>®</sup> Intelligent Air incorporates Reactive Airflow technology, a system of air and foam-filled cells with a patented valve system designed to displace and adjust air in response to user body weight and movement.

Also available as a low profile cushion.



### Dyna-Tek<sup>®</sup> Gel Cushion

**Product Code**  
CUS0710001

**Weight limit:** 25 stone / 159kg

**Warranty:** 2 Years



The Dyna-Tek<sup>®</sup> Gel Cushion has been designed using the latest polyurethane gel. By incorporating the most advanced raw materials during the manufacturing process, enhanced postural management and greater pressure re-distribution is achieved. The cooling gel surface assists any modern pressure ulcer management process by providing a minor reduction of the skin surface temperature.

This product is specifically made for users considered to be at "Very High Risk" of pressure ulcer development. Equally at home in a ward, homecare or wheelchair environment, Dyna-Tek<sup>®</sup> Gel Cushion gives advanced comfort and greater care to the user.



### Dyna-Tek<sup>®</sup> Posture Visco

**Product Code**  
CUS0610001

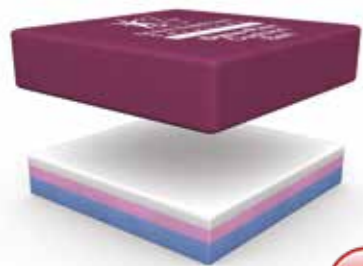
**Weight limit:** 24 stone / 152kg

**Warranty:** 2 Years



The Dyna-Tek<sup>®</sup> Posture Visco Cushion is designed to create better postural management, along with greater pressure re-distribution. This product is specifically made for users considered to be at "High Risk" of pressure ulcer development. Designed primarily for the wheelchair sector, however equally at home for use on the ward or homecare environment.

Dyna-Tek<sup>®</sup> Posture Visco provides the ultimate combination of pressure care, patient comfort and pelvic stability.



High Risk

### Dyna-Flex<sup>®</sup> Cushion

**Product Code**  
CUS0410001

**Weight limit:** 24 stone / 152kg

**Warranty:** 2 Years

The Dyna-Flex<sup>®</sup> Cushion incorporates the most exclusive combination of visco elastic & foam technology, providing outstanding pressure redistribution and superior patient comfort. The temperature sensitive memory foam softens at patient interface, thus giving even weight distribution, whilst the CMHR underside prevents the foam from bottoming out. Complete with a well designed cover and non-slip base, this product is ideal for use in all hospital, nursing or homecare environments.



High Risk

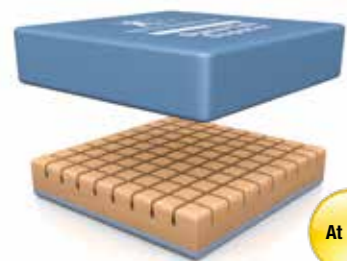
### Dyna-Tek<sup>®</sup> Owl

**Product Code**  
CUS0310001

**Weight limit:** 24 stone / 152kg

**Warranty:** 2 Years

The Dyna-Tek<sup>®</sup> Owl Cushion is a uniquely designed postural management product, providing exceptional pressure redistribution with its 'Owl' contoured design. Designed predominantly to house the ischial tuberosities within its circular surface, this product shares the patient's weight equally, in areas most vulnerable to skin breakdown. The Dyna-Tek<sup>®</sup> Owl provides the ultimate combination of pressure care and patient comfort.



At Risk

### Dyna-Tek<sup>®</sup> Superior

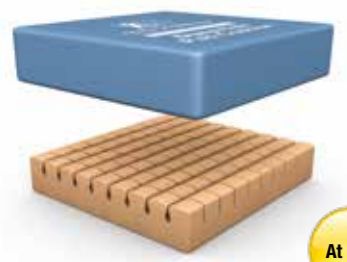
**Product Code**  
CUS0210001

**Weight limit:** 18 stone / 114kg

**Warranty:** 2 Years

The Dyna-Tek<sup>®</sup> Superior Cushion design comprises of a specialist 'castellated cut' foam surface, ensuring the reduction of heat & moisture build up, whilst achieving maximum pressure redistribution.

A base layer of high density blue foam prevents patient bottoming whilst enhancing product longevity. Complete with a high frequency welded cover and non slip base, this product is ideal for use in the hospital, nursing or homecare environment.



At Risk

### Dyna-Tek<sup>®</sup> Pad Cushion

**Product Code**  
CUS0110001

**Weight limit:** 20 stone / 127kg

**Warranty:** 2 Years Cover /  
4 Years Foam

The Dyna-Tek<sup>®</sup> Pad Cushion has been created for users considered to be "At Risk" of pressure ulcer development. Dyna-Tek<sup>®</sup> Pad Cushion's design quality comprises of a specialist "castellated cut" CME foam surface, ensuring the reduction of heat & moisture build up whilst achieving maximum pressure re-distribution. Complete with a sewn, multi-stretch, vapour permeable cover and non-slip base, this economical product is ideal for use in a wheelchair, hospital or homecare environment.



At Risk

### Dyna-Tek<sup>®</sup> Profile

**Product Code**  
CUS0510004

**Weight limit:** 18 stone / 114kg

**Warranty:** 1 Year

The Dyna-Tek<sup>®</sup> Profile Cushion provides effective postural management and pressure redistribution. Designed mainly for use in a wheelchair but equally applicable to that of a ward or homecare environment, Dyna-Tek<sup>®</sup> Profile provides the ultimate combination of pressure care and patient comfort in an economical solution.



Very High Risk

## Transflo

**Product Code**

Standard: CUS0910000

Leisure: CUS0920000

Heavy Duty: CUS0930000

**Weight limit:**

Leisure: 22 stone/140 kg

Standard: 28 stone/178 kg

Heavy Duty: 32 stone/ 203kg

**Warranty:** 2 Years

The Transflo Cushion has been innovatively designed using a combination of high density foam and a unique silicone gel 'floatation' system. Incorporating two fluid-filled, vapour-permeable, multi-stretch sacs that are encased within a supportive, heavy-duty foam surround; the fluid is able to move between compartments as the cushion contours to the body's shape and position, redistributing pressure over the widest surface area possible.

For the full range of sizes available for each cushion please refer to the Direct Healthcare Group Cushion Size Chart, available to download from [www.directhealthcaregroup.com](http://www.directhealthcaregroup.com)



## ACCESSORIES



### Dyna-Tek<sup>®</sup> Positioning Products

#### Positioning Product System

1. POS0110001 (36 pairs per carton)
2. POS0210001 (12 pairs per carton)

The Dyna-Tek Heel Boot and Foot Protector are simple-to-use solutions that can help reduce the risk of pressure ulcers developing on the vulnerable heel area. Suitable for patients evaluated to be at "High Risk" of developing pressure damage, the Dyna-Tek Heel Boot and Foot Protector has been designed to offer patients comfortable and effective pressure redistribution.



### Dyna-Tek<sup>®</sup> Wedge

**Product Code**  
POS0310001

The Dyna-Form Wedge provides knee support without the aid of an electric profiling bed. The foam wedge prevents the patient from slipping down the bed, whilst reducing shear & friction forces on the ankles and vulnerable heel area, therefore providing improved pressure redistribution.

# Direct Healthcare Group

Advancing Movement & Health<sup>®</sup>

## Direct Healthcare Services

### Intelligent Pressure Care

A leader in the health application of pressure care technologies, Direct Healthcare Services designs and manufactures a comprehensive range of clinically proven, best value pressure care solutions including mattress systems, cushions and overlays.



### Specialist Seating

Kirton specialist seating for patients with complex care needs are designed for comfort, support and stability. Incorporating clinically proven pressure care, Kirton seating solutions effectively promotes mobility and independence vital to maintaining quality of daily living.



### Rental & Service Solutions

24/7/365 Rental service for standard, bariatric and specialist seating equipment

Technical Service solutions to maintain equipment to required quality and regulatory standards

#### References

1. Fletcher et al., (2016) Real-world evidence from a large-scale multisite evaluation of a hybrid mattress, Wounds UK / Vol 12 / No.3 / 2016
2. Jones, L (2013) 'Safety, Effectiveness and Improved Patient Experience
3. NHS choices: <http://www.nhs.uk/Conditions/Pressure-ulcers/Pages/Causes.aspx> [accessed 28th March 2014]

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Moving Health Forward

**PRESSURE ULCER PREVENTION  
SAFE MOVING & HANDLING  
SPECIALIST THERAPIES  
BATHROOM SAFETY  
RENTAL & SERVICE SOLUTIONS**



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