

carilex®

CARING MAKES THE DIFFERENCE



With over thirty years experience, Carilex has established itself as a global leader in the wound care industry by developing state-of-the-art technology in the prevention and treatment of pressure ulcers.

Pressure Care Solutions

POWERED AND NON-POWERED MATTRESSES AND OVERLAYS

Understanding Pressure Ulcers

WHAT IS A PRESSURE ULCER?

A pressure ulcer, also known as a bed sore or decubitus ulcer, is the progressive breakdown of the patient's skin and underlying tissue. Pressure ulcers most often occur on the parts of the body where the bone is closest to the skin such as the heels, ankles, hips, tailbone and elbows. Pressure ulcers develop quickly but can be prevented and most pressure ulcers will heal with treatment. (Mayo Clinic, 2018).

WHAT CAUSES PRESSURE ULCERS?

Pressure ulcers can be caused by any of these conditions being present on the patient's skin: pressure, shear, friction, moisture and raised temperature. The most influential of these is pressure on the patient's skin.

The patient's weight causes pressure to be applied to their skin and tissue, compressing it between the support surface and their bone structure. When external pressures are higher than the capillary blood-flow pressure in the patient's tissue, the capillaries can become occluded; diminishing blood supply and causing tissue damage from lack of oxygen.

HOW CAN PRESSURE ULCERS BE PREVENTED?

Pressure ulcers can be prevented by interface pressure distribution and regular repositioning of the patient. Interface pressure distribution ensures the even spread of a patient's weight, in particular over critical areas where pressure ulcers can develop. Repositioning the patient regularly decreases the duration of pressure, reducing the occurrence of capillary occlusion.





THERAPEUTIC SUPPORT SURFACES

Alternating Pressure Support Surfaces

Alternating Pressure Support Surfaces consist of a number of sealed air cells that alternatively inflate and deflate. The inflated cells provide adequate support to the patient whilst the deflated cells provide pressure relief, allowing capillaries to recover their original size and shape to allow blood to flow normally.

Constant Low-Pressure Support Surfaces

Constant low-pressure support surfaces distribute the patient's weight more evenly, decreasing the resulting pressure on their body and thereby reducing the severity of capillary occlusion.

Factors to Consider when Choosing a Carilex Support Surface

- Surface SWL and/or User Weight

- User Pressure Ulcer Risk (to be completed by a wound care professional)

- User Waterlow Scale (to be completed by a wound care professional)

- Preference for Overlay or Mattress Replacement?

- Surface size required – Single or King Single?

- What is the priority – comfort or pressure care?

- Do they need a protective foam underlay for their mattress (are they at risk of power outages)?

- What is the budget?

- Do they need extra nursing features:
 - Panel Lock (useful in dementia facilities or where residents/visitors may tamper with pump settings)
 - Max Inflate (ideal for transferring in/out of bed, allied health therapy)

- Any other issues/concerns?

Always check with your Doctor, Wound Care Nurse or OT professional, before choosing a support surface.

Entrix NX Alternating Air



BUDGET FRIENDLY

The Intelligent Pressure Sensing Technology (IPS), responds to patient movements on the mattress by automatically adjusting internal mattress pressure, this allows Entrix NX to regulate airflow and continuously provide total envelopment for our patients. The pump's low noise level and comfortable modular cell design promote superior sleeping quality.

-  Alternating Pressure Relief
-  **Kgs** Multiple Weight Settings
-  Whisper Quiet
-  CLP Therapy Pressure Redistribution
-  Lightweight Power Unit
-  Memory Recall



ENTRIX NX 5 – OVERLAY

RISK/CATEGORY: High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 2
SAFE WORKING LOAD: Up to 150kg
AIR CELL CONFIGURATION: 16 x 5" Cells
SIZES (cm): Single 90 x 200 x 13, Euro KS 100 x 200 x 13, King Single 107 x 200 x 13



ENTRIX NX 7 – MATTRESS REPLACEMENT

RISK/CATEGORY: High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 2
SAFE WORKING LOAD: Up to 150kg
AIR CELL CONFIGURATION: 16 x 5" Cells
SIZES (cm): Single 90 x 200 x 18, Euro KS 100 x 200 x 18, King Single 107 x 200 x 18



ENTRIX NX LUX – MATTRESS REPLACEMENT

RISK/CATEGORY: Very High
WATERLOW SCORE: 20+
PRESSURE SORE GRADING: 4
SAFE WORKING LOAD: Up to 180kg
AIR CELL CONFIGURATION: 20 x 7" Square Cells
SIZES (cm): Single 90 x 200 x 18 and King Single 107 x 200 x 18



-  Cable Management
-  Durable Material
-  Easy Cleaning
-  Protective PE layer
-  Multiple Mattress Sizes
-  Quick Connect Coupling

Centrius Alternating Air



CENTRIUS = NO GUESS WORK REQUIRED

A key feature of the Centrius range is its ability to MINIMISE RISK to both the patient and the organisation. The Centrius system has been designed to be EASY TO USE whilst providing patients with optimal pressure care. Centrius does the thinking for you, with exclusive features such as Auto-set, Auto-upright and Auto-adjust functions.

-  Alternating Pressure Relief
-  MAX Inflation
-  Whisper Quiet
-  CLP Therapy Pressure Redistribution
-  Lightweight Power Unit
-  Memory Recall



CENTRIUS 5 – OVERLAY

RISK/CATEGORY: High WATERLOW SCORE: 15+ PRESSURE SORE GRADING: 2
 SAFE WORKING LOAD: Up to 150kg
 AIR CELL CONFIGURATION: 16 x 5" Cells
 SIZES (cm): Single 90 x 200 x 13, Euro KS 100 x 200 x 13, King Single 107 x 200 x 13



CENTRIUS 7 – MATTRESS REPLACEMENT

RISK/CATEGORY: High WATERLOW SCORE: 15+ PRESSURE SORE GRADING: 2
 SAFE WORKING LOAD: Up to 150kg
 AIR CELL CONFIGURATION: 16 x 5" Cells
 SIZES (cm): Single 90 x 200 x 18, Euro KS 100 x 200 x 18, King Single 107 x 200 x 18



CENTRIUS LUX – MATTRESS REPLACEMENT

RISK/CATEGORY: Very High WATERLOW SCORE: 20+ PRESSURE SORE GRADING: 4
 SAFE WORKING LOAD: Up to 180kg
 AIR CELL CONFIGURATION: 20 x 7" Square Cells
 SIZES (cm): Single 90 x 200 x 18 and King Single 107 x 200 x 18



CENTRIUS FIT – MATTRESS REPLACEMENT

RISK/CATEGORY: Very High WATERLOW SCORE: 20+ PRESSURE SORE GRADING: 4
 SAFE WORKING LOAD: Up to 250kg
 AIR CELL CONFIGURATION: 20 x 8" Square Cells
 SIZES (cm): Single 90 x 200 x 20 and King Single 107 x 200 x 20



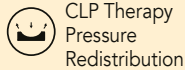
-  Cable Management
-  Durable Material
-  Easy Cleaning
-  Protective PE layer
-  Multiple Mattress Sizes
-  Quick Connect Coupling

Dual Flex Hybrid MR



WHEN COMFORT IS A PRIORITY!

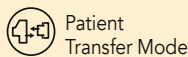
The Dual Flex is a dynamic **HYBRID** replacement mattress system, combining both high performance static foam, and active alternating air cell technology for exceptional comfort and healing. The Dual Flex provides a very flexible step-up or step-down mattress system to cater for higher or lower risk patients all in one, cost effective pressure relieving mattress solution.



CLP Therapy
Pressure
Redistribution



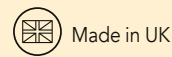
Whisper Quiet



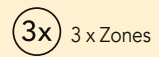
Patient
Transfer Mode



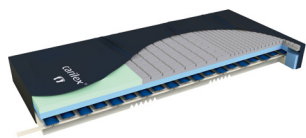
GELTEX
Medical Grade
Foam



Made in UK



3 x Zones



DUAL FLEX – MATTRESS REPLACEMENT

RISK/CATEGORY: Very High

WATERLOW SCORE: 20+

PRESSURE SORE GRADING: 4

SAFE WORKING LOAD: Up to 250kg

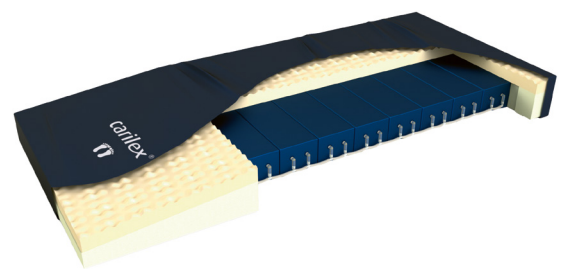
AIR CELL CONFIGURATION: 19 x 3" Cells

SIZES (cm): Single 90 x 200 x 18, Euro KS 100 x 200 x 18, King Single 107 x 200 x 18



AirMax Non-Powered MR

The AirMax is a **non-powered**, self-adjusting mattress replacement that automatically redistributes pressure by actively moving with the patient. The air-foam technology works when pressure is applied to the mattress, the internal air valves on each of the 8 cells, allow air in or out to redistribute the pressure across all the cells. This active air transfer technology provides a constant low pressure for the patients at 'High Risk' of developing pressure ulcers.



AIRMAX – MATTRESS REPLACEMENT

RISK/CATEGORY: At Risk to High

WATERLOW SCORE: 10+

PRESSURE SORE GRADING: 2

SAFE WORKING LOAD: Up to 250kg

AIR CELL CONFIGURATION: 8 x 5" Square Foam Cells

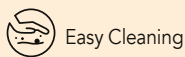
SIZES (cm): Single 90 x 200 x 18, Euro KS 100 x 200 x 18, King Single 107 x 200 x 18



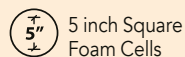
Mattress
Replacement



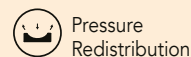
Multiple
Mattress Sizes



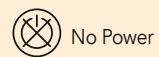
Easy Cleaning



5 inch Square
Foam Cells



Pressure
Redistribution



No Power

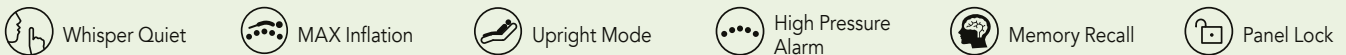
Global Leader in Wound Care, Distributed in Over 40 Countries Worldwide

Dual Plus Modular MR



MODULAR MATTRESS REPLACEMENT

Revolutionary intelligent mattress replacement system that rethinks the way to optimise comfort. Dual Plus offers multiple comfort levels that deliver optimal internal pressure according to each patient's sensation. Electronic pressure sensors and sophisticated microprocessors run through intricate algorithms in order to respond to patient movements on the mattress by adjusting internal mattress pressure appropriately, no extra input needed.



DUAL PLUS – MATTRESS REPLACEMENT

RISK/CATEGORY: High to Very High

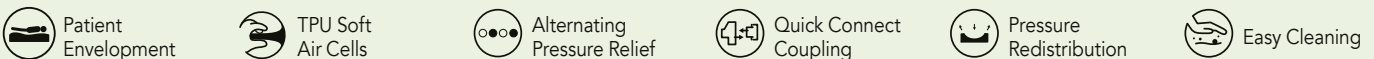
WATERLOW SCORE: 20+

PRESSURE SORE GRADING: Up to 4

SAFE WORKING LOAD: 30 to 250kg

AIR CELL CONFIGURATION: 20 x 8" Cells including 1 x 5" Bridging Cell (*more can be purchased*)

SIZES (cm): Single 90 x 200 x 21 and King Single 105 x 200 x 21



Website recommendations for more detailed information:

- Carilex - <https://www.carilexmedical.com>
- National Pressure Ulcer Advisory - <https://npuap.org>
- Mayo Clinic, 2018 - <https://www.mayoclinic.org/diseases-conditions/bed-sores/symptoms-causes/syc-20355893>
- Waterlow Scale - <http://www.judy-waterlow.co.uk>
- Wounds Australia - <https://www.woundsaustralia.com.au/publications/>

Envelop Bariatric



TRUE AUTOMATIC DEEP FLUID ENVELOPMENT

S31 tested – 79% Immersion. Technology from the future for an ultimate wound care solution. The IPS Technology, works with S.M.A.R.T to create effective envelopment. IPS responds to patient movements on the mattress by automatically adjusting the internal mattress pressure, which allows Envelop to regulate airflow and continuously provide total envelopment for the patient.

- Whisper Quiet
- Upright Mode
- MAX Inflation
- Easily Exchangeable Air Cells
- Rapid CPR Deflation
- Infection Control



ENVELOP – MATTRESS REPLACEMENT

RISK/CATEGORY: Very High WATERLOW SCORE: 20+ PRESSURE SORE GRADING: 4
 SAFE WORKING LOAD: Up to 450kg
 AIR CELL CONFIGURATION: 21 x 8" Square Cells
 SIZES (cm): Single 90 x 200 x 25, King Single 107 x 200 x 25, Extra Wide 120 x 200 x 25



TheraFlo AP Low Air Loss



TRUE LOW AIR LOSS

MICROCLIMATE CONTROL with Deep Breathing Exercise (DBE): Taking greatness to the next level. Advance microclimate control: achieving great comfort with advanced microclimate control. TheraFlo AP provides the utmost all-round comfort for our patient's needs, the technology is nuanced yet the result are profound.

- Patient Envelopment
- Cable Management
- Max Inflation
- Infection Control
- True Low Air Loss
- Rapid CPR Deflation



THERAFLO AP – MATTRESS REPLACEMENT

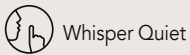
RISK/CATEGORY: Very High WATERLOW SCORE: 20+ PRESSURE SORE GRADING: 4
 SAFE WORKING LOAD: Up to 250kg
 AIR CELL CONFIGURATION: 20 x 8" Cells
 SIZES (cm): Single 90 x 200 x 25, Euro Single 99 x 200 x 25, King Single 107 x 200 x 25, Extra Wide 128 x 200 x 25, Double 137 x 200 x 25, Queen 152 x 200 x 25



Coziny Plus Paediatric



Carilex Coziny Plus offers wound care therapy designed specifically to take care of children who are at risk of developing pressure ulcers, or already enduring distress and discomfort from pressure ulcers. Intelligent Pressure Sensing (IPS) Technology, responds to patient movements on the mattress by automatically adjusting the internal mattress pressure, which allows Coziny Plus to regulate airflow and continuously provide total envelopment for our Paediatric patients.



Whisper Quiet



Memory Recall



Panel Lock



Alarm Mute



Battery Level LED



Visual and Audible Indicator



COZINY 100 – FOR INCUBATOR

RISK/CATEGORY: Med - High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 3
SAFE WORKING LOAD: Up to 3.4kg
AIR CELL CONFIGURATION: 40 x 1" Cells
SIZES (cm): 65 x 35 x 3



COZINY 200 – FOR BABY CRIB

RISK/CATEGORY: Med - High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 3
SAFE WORKING LOAD: Up to 10kg
AIR CELL CONFIGURATION: 20 x 1.5" Cells
SIZES (cm): 75 x 50 x 7



COZINY 300 – FOR BABY COT

RISK/CATEGORY: Med - High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 3
SAFE WORKING LOAD: Up to 25kg
AIR CELL CONFIGURATION: 39 x 1.5" Cells
SIZES (cm): 140 x 70 x 8



Modular Air Cell Construction



Alternating Pressure Relief



DTX Coverlet



Quick Connect Coupling



Easy Cleaning






Child Friendly

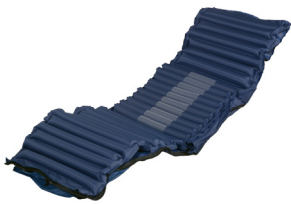
Cari Chair Alternating Air



MOBILE CUSHION SYSTEM WITH BATTERY BACKUP

Defying the constraint of time and place for uninterrupted around the clock care. Whenever, wherever, patient's no longer need to be confined to the bed for pressure ulcer treatments. The Cari Chair system is compatible with a variety of surfaces – chairs, recliners and wheelchairs.

-  Whisper Quiet
-  Digital LED Screen
-  Panel Lock
-  Visual and Audible Indicators
-  Battery Level LED
-  Alarm Mute



CARI CHAIR – RECLINER AND CHAIR LONG OVERLAY

RISK/CATEGORY: Med - High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 3
SAFE WORKING LOAD: Up to 150kg
AIR CELL CONFIGURATION: 26 Cells
SIZES (cm): 180 x 50 x 14



MOBICARE – WHEELCHAIR OR CHAIR CUSHION

RISK/CATEGORY: Med - High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 3
SAFE WORKING LOAD: Up to 120kg
AIR CELL CONFIGURATION: 10 x 3.5" Cells
SIZES (cm): 45 x 45 x 9



MOBICARE PLUS – WHEELCHAIR OR CHAIR CUSHION

RISK/CATEGORY: Med - High
WATERLOW SCORE: 15+
PRESSURE SORE GRADING: 3
SAFE WORKING LOAD: Up to 150kg
AIR CELL CONFIGURATION: 10 x 3.5" Cells
SIZES (cm): 36 x 45 x 9, 45 x 45 x 9 or 60 x 45 x 9

-  Anti Skid Security
-  Washable, Waterproof Cushion Cover
-  Quick Connect Coupling
-  Protective PE layer
-  Multiple Mattress Sizes
-  Quick Connect Coupling

Glossary of Terms

Safe Working Load (SWL)	The maximum safe force that a piece of equipment can exert to hold without breaking.
Waterlow Score	Gives an estimated risk for the development of a pressure sore in a given patient.
Alternating Air Pressure	This means that air is pumped into cylinders that are placed parallel to each other inside the mattress. Typically operating in sequence, as one set of cylinders gently inflates, the other set deflates, stimulating blood flow.
Overlay	Device applied over an existing mattress which is designed to provide added pressure relief and comfort.
Mattress Replacement	Entire mattress with built in pressure relief which would replace an existing mattress.
True Low Air Loss	Provide airflow to help keep skin dry, as well as to relieve pressure
Non-powered Mattress	No pump or power required for operation.
Hybrid Mattress	Offers both a non-powered or alternating pressure solution in the one mattress.
Interface Pressure	The pressure exerted by the compression system over the surface of skin.
GELTEX	Clinically proven, breathable, medical grade foam.
Max Inflate	Inflates the entire mattress, so all cells are at the same pressure, suitable for nursing purposes.
Intelligent Pressure Sensing Technology (IPS)	Responds to patient movements on the mattress by automatically adjusting internal mattress pressure.
Low Pressure Alarms	Audible and visual alert to notify when abnormal internal pressure occurs or power outages.
Auto up-right	When the bed is in an upright position, the pump will automatically increase to pressure to prevent 'bottoming out'.
Envelopment	The ability of a support surface to conform, so to fit or mould around irregularities in the body.
Auto-Set	No need to input patient weight, the mattress automatically adjusts to the patient's distribution.
Memory recall	Restores to the previous setting automatically after abnormal power outage.
Dartex	Weldable fabric which reduces the risk of infection by acting as a barrier to fluid ingress and contamination, also, it is easy to clean and highly durable.
Dynamic Therapy	The inflation and deflation of air cells to stimulate blood flow.
Constant Low Pressure (CLP) Therapy	Increased patient areas in contact with the support surface, whereby the pressure at every contact point is reduced.

Our Products

WARRANTY

1 year Warranty - Coziny Plus Range, Cari Chair Range and Bariatric Systems.

2 year Warranty - on most mattresses and control units

For more detailed warranty, product brochure, pressure mapping information and staff training, please contact Natalie on info@carilexmedical.com.au or refer to the website www.carilexmedical.com.au

carilex[®]

CARING MAKES THE DIFFERENCE



Need Help?

Consult your wound care nurse/senior nursing staff
or contact Carilex Medical ANZ Pty Ltd

1300 732 004 | info@carilexmedical.com.au
www.carilexmedical.com.au