

Very High Risk



Carital® Optima



Clinical Application / PU Grading

Technical Specifications

Product Code	MAT3010001
Risk Category	High/Very High Risk
Weight Limit	300kg/47 stone
Warranty	3 years
Dimensions	70/75/80/85/90cm (W) 200/210/220/230cm (L) 13/15cm (H)
Product Weight	13kg
Voltage	230V/50HZ
Power Consumption	35W

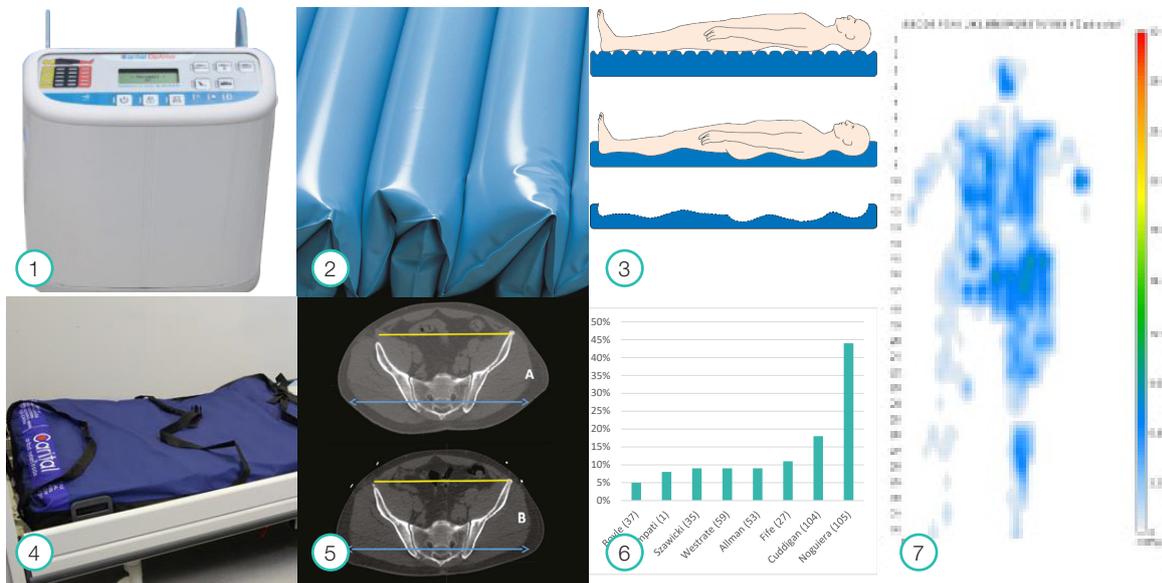
Infection Control / Hypochlorite Solution Compatible
Mattress Cover / Power Unit to be wiped down with Hypochlorite solution and warm water, appropriately diluted.

The **Carital® Optima** is a dynamic, anti-deformation mattress replacement system. It is specifically designed for patients considered to be at 'High Risk' and 'Very High Risk' of pressure ulcer development. Offering high levels of patient comfort, the mattresses utilises continuous low pressure to provided pressure redistribution through high levels of immersion and envelopment.

The **Carital® Optima's** air cell structured minimum pressure mattress maximises the contact area, whilst minimising the contact pressure and tissue deformation. Automatically adjusting to the user, the **Carital® Optima** is for patient groups that cannot tolerate movement, but are still at Very High Risk of pressure ulcer development.

The outer cover comprises an optional high frequency welded, multi-stretch, waterproof, vapour-permeable fabric that satisfies the strictest infection control policies.

A maximum weight capacity of up to 300kg/47 stone allows the product to meet the challenges of heavier patients.



Features

Benefits

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|---|---|---|
| 1 | Advanced control unit with automatic user adjustment
Easy to use control unit offering quick operating options and various modes
Firm mode
Audible-visual warning system | Provides high precision pressure adjustments within the cells/groups for a range of patient demographics
Ensures simplicity of choice for multiple user positions
For rapid transfer or cleaning procedures
Flashing LED and audible warning system alerts the carer/individual to low cell pressure or system failure |
| 2 | Unique cell structure - tunnel-formed cell-over-cell construction | Provides controlled, adjusted pressure within the 3 zones, whilst minimising potential of bottoming out |
| 3 | Mattress utilises dynamic continuous low pressure to adapt automatically to the user | Provides a large contact area and low interface pressure through the properties of immersion and envelopment |
| 4 | Mediresc® cover option provides an evacuation system for the mattress | Ensures safety of high risk individuals in the event that an emergency evacuation has to occur |
| 5 | Anti-deformation technology mattress | Reduced deformation-induced damage of cells and tissues within the vulnerable areas. Deformation-induced damage has been demonstrated to be an early cause of pressure ulcers ¹ |
| 6 | Carital® Optima has robust clinical evidence over 25 years | Evidence suggests clear clinical and economical benefits provided by the Carital® Optima system |
| 7 | Pressure mapping highlights pressure redistribution and low interface pressures across the body | |

1. Gefen, A. (2018). The Future of Pressure Ulcer Prevention is Here: Detecting and Targeting Inflammation Early. *EWMA Journal*. 19(2):7-13.