Carital®
Optima7080 and Optima8590

Dynamic anti-deformation mattress



Continuous low pressure

Immersion and envelopment

Anti-deformation pressure care



Anti-deformation technology

> Anti-deformation technology reduces deformation-induced damage to cells and tissues in vulnerable areas, an early cause of pressure ulcers.

> The air cell structure maximises contact area while minimising contact pressure and tissue deformation.

> A unique tunnel-formed cell-over-cell construction delivers controlled, adjusted pressure across three zones while minimising bottoming out.

Continuous low pressure

> Dynamic continuous low pressure adapts automatically to the user, giving a large contact area and low interface pressure through immersion and envelopment.

> Ideal for patients who cannot tolerate movement but remain at Very High Risk of pressure ulcer development.

> An advanced control unit makes high precision pressure adjustments within the cell groups for a range of patient demographics.

Operation and safety

> Easy-to-use control unit with various modes, a firm mode for rapid transfer and cleaning, and audible and visual alerts for system failure.

> Optional Mediresc cover provides an evacuation system for the safe transfer of high-risk individuals in an emergency.

> Multistretch, waterproof and vapour-permeable cover satisfies the strictest infection control policies, with a weight capacity up to 300 kg.

Technical data

Height	Width	Length	Max. User Weight	Total weight	Max. Cleaning Temperature
130 mm	700 mm 750 mm 800 mm 850 mm 900 mm	2000 mm 2100 mm 2200 mm 2300 mm	200 kg (mattresses with 70 cm cell systems) 300 kg (mattresses with 80 cm cell systems)	13 kg	95 °C

Manufactured to: EN 597-1:2015; EN 597-2:2015; IMO 2010 FTP Code, Annex 1, Part 9

Essential nursing care is pivotal in pressure injury management. This mattress may positively contribute to the outcome of a pressure injury prevention plan that includes education, clinical judgment and action planning based on vulnerability, which are fundamental factors in the prevention of pressure injuries. A range of assessment scales can be used as a formal method of assessing risk from pressure injury development, and should be used in conjunction with an informal assessment (informed nursing judgement) as part of a comprehensive and individualised plan.

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