

Carital[®] Optima

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 low cell pressure or system failure.
- > Optional Mediresc cover provides an evacuation system for the safe transfer of high-risk individuals in an emergency.
- > High frequency welded, multi-stretch, 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	2000 mm	300 kg	13 kg	95 °C
150 mm	750 mm	2100 mm			
	800 mm	2200 mm			
	850 mm	2300 mm			
	900 mm				

Manufactured to: BS EN 597-1 Cig, BS EN 597-2 Match and BS 7177 (ignition Source 5)

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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