




IPM range



CuroCell UNO®

A New Generation of Intelligent
Pressure Area Management Mattress

Together we **will** make an  **essential** difference

Imagine a world
without pressure
ulcers...

CuroCell UNO®

The new **CuroCell UNO®** combines leading innovative technology with modern design to provide a versatile solution for Pressure Area Management for the most compromised patients.

CuroCell UNO® has been designed to provide a single solution to meet the challenges of patients with complex needs with the choice of 3 therapeutic modes in just one system. Indicated for those patients at **Very High Risk** or with existing **Category 4** pressure ulcers.

CuroCell UNO® Auto Response Technology automatically adjusts the mattress air pressure ensuring patient comfort and safety is continuously optimised, providing complete piece of mind in the most challenging healthcare environments.

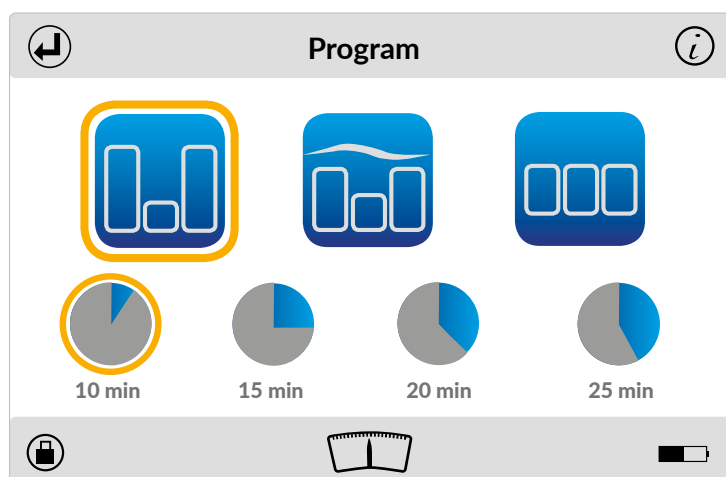
CuroCell UNO® Intuitive Smart Pump Technology takes ease of use to another level. The system requires minimal care giver intervention, enabling healthcare professionals the valuable time for patient care.



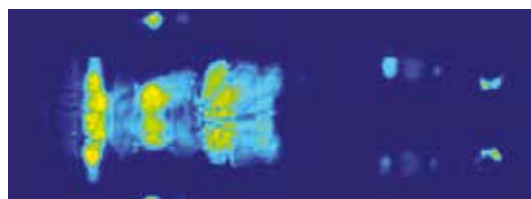
CuroCell UNO[®] Optimising Patient Comfort & Care

3 Therapies in 1 System

CuroCell UNO[®] incorporates **3 Therapeutic Modes** with the choice of 4 cycle times. Providing the ability to meet the individual support needs of most patients in just one therapy system.



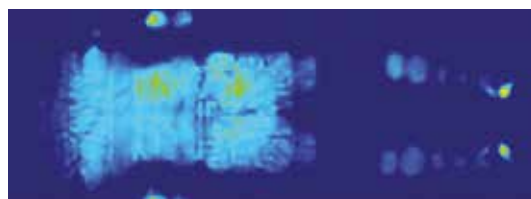
Alternating Mode



Pulsation Mode



Constant Low Pressure Mode

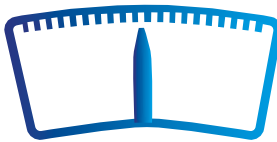


CuroCell UNO[®] Optimising Patient Comfort & Care

Auto Response Technology

CuroCell UNO[®] automatically responds to the weight, posture and position of the patient. Optimising pressure redistribution, patient comfort and safety effortlessly in all **3 Therapy Modes**.

A sophisticated microprocessor with a series of high specification sensors, continuously monitor each zone of the mattress, automatically responding to any changes detected.



Auto Response Technology

Continuously:

- Detects change.
- Monitors change.
- Responds by re-adjusting zone pressures.



As the bed is profiled the pump will automatically default to Pulsate Mode to mitigate the high inflation pressures required in Alternating Mode to support the patient in a “seated position”. Thereby protecting vulnerable pressure areas and optimising patient comfort and safety.

Due to the advanced sensitivity of **CuroCell UNO[®]** there is no minimum patient weight.



Heel Shield

Protection of the vulnerable heel area is optimised by the Heel Shield with 6 narrow heel cells configured with a gentle slope, optimising pressure area management, patient comfort and safety.

CuroCell UNO[®] Optimising Patient Safety

Cell On Cell Construction

Patient safety is assured by the Cell on Cell mattress configuration.

The sub-base mattress is automatically sealed and remains constantly inflated if power is lost, preventing the mattress from “bottoming out.”



Anti-Shear Technology

Advanced fabric technology within the cell retention system, reduces potential shear forces associated with patient movement. The mattress top cover glides over the cell retention system fabric due to the advanced low friction properties.

Continuous Active Therapy-Transport

CuroCell UNO[®] features an integral battery (option) to continue active therapy delivery during transfer to e.g. Operating Room or X-ray Department.

Simply unplug and go. The battery will continuously deliver active therapy for a minimum of 5 hours.

CuroCell UNO[®] without battery, will remain inflated for a minimum of 8 hours as the unit is fully sealed. Simply unplug power and go.



CuroCell UNO[®] Optimising Patient Safety



Cover Material Technology

Multi-Stretch to reduce friction. Top cover and cell retention system combine to reduce shear forces.

- Waterproof & vapour permeable with improved microclimate.
- Fully welded seams prevents fluid ingress.
- Sodium Hypochlorite 10,000 ppm compatible.
- Machine Washable to 95°C.

Max Firm Mode

Provides a temporary firm and stable surface for patient transfer and care procedures.

Max Firm Mode auto defaults back to Therapy Mode after 20 minutes.



Practical Electrical Safety

Cable management system.
12 Volt power adaptor.
Quick release power lead from pump.



CPR

Rapid deflation in medical emergencies.
Operated by one hand. Located at the side of the pump for maximum visibility.

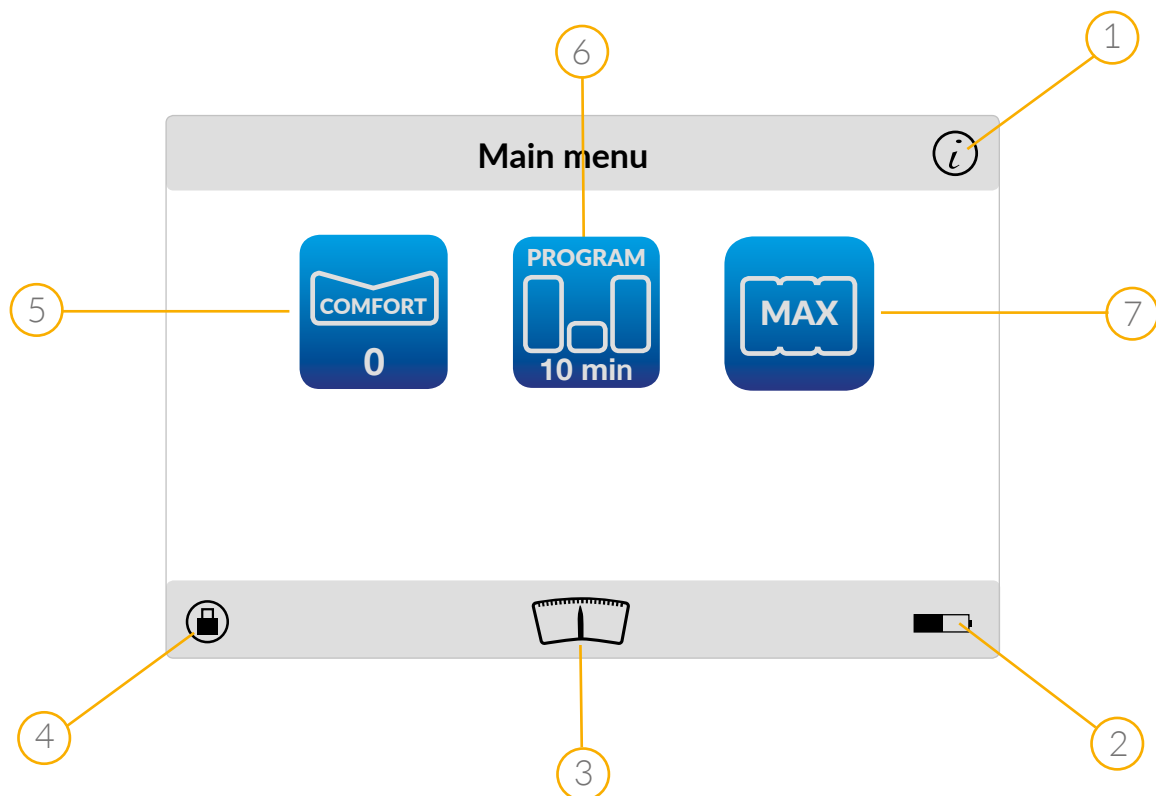


CuroCell UNO[®] Intuitive & Simplistic Interface

Smart Pump Technology - The Heart of the CuroCell UNO

Smart pump technology features a large colour intuitive, interactive touch screen interface to tap into the comprehensive functions of **CuroCell UNO[®]**

CuroCell UNO[®] is whisper quiet and vibration free to minimise patient disruption.



1. Information



Quick reference guide.

Product information.

Company
Contact Details.

Mattress
Deflation Facility.

2. Battery Indicator

Displaying Battery Status.

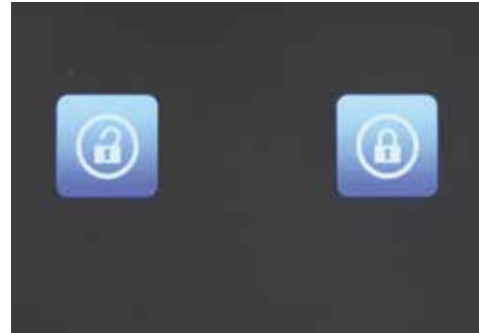
3. Auto Response Technology Indicator

Displaying continuing pressure response.

CuroCell UNO[®] Intuitive & Simplistic Interface

4. Lock Facility

The screen can be manually locked at any time. If untouched the screen will Auto-Lock after 5 minutes.

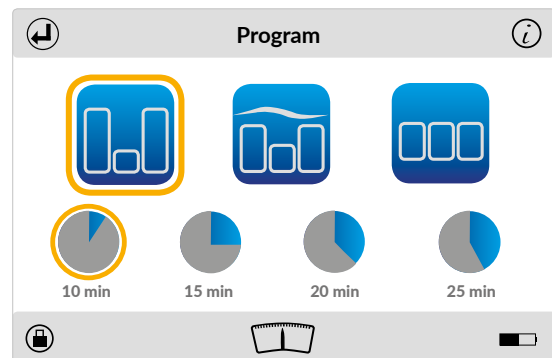


5. Comfort Control

To tailor to the individual requirements of the patient the pressure can be increased without compromising performance and care.

6. Therapy Mode

Select therapy mode and cycle time to meet the individual requirements of the patient. Default therapy is Alternating Mode with 10 minute Cycle.



7. Max Firm Mode

Access to Max Firm Mode.



The Back button returns the display to the previous screen.

CuroCell UNO[®] Intelligent & Practical

Advanced Audible Alarm & Visual Notification

In the event of any problem which may compromise patient safety e.g. significant loss of air pressure, the alarm will sound and the screen display will fully notify the user.



The LED surrounding the function button on the front of the pump will change from green to orange and will flash continuously.

The audible alarm can be muted by pressing the function button. However, the alarm will sound after 5 minutes if the problem has not been resolved.

Mattress Deflate Function-Pack & Go™

After use simply activate the mattress deflate function.

The mattress will gently deflate to enable it to be rolled up for transportation or storage.

N.B. Essential Healthcare (UK)Ltd recommend that mattresses are decontaminated following each patient use.





Essential Healthcare Solutions Rental Service

Providing bespoke rental solutions to our contracted customers. *eRent* delivers a versatile online solution tailored to the contract which enables staff to order, transfer and cancel rentals, with live and historic usage information available in real time.

RFID Technology is incorporated within our Rental Mattress Systems and Service Centres facilitating complete traceability and tracking.

Decontamination Services

At Essential Healthcare Solutions

Essential Healthcare's Decontamination Services are at the leading edge of Infection Prevention and Safety with significant investment in the very latest technology to optimise the service we deliver.

1:10 mattress systems are swabbed for process validation with our Decontamination facilities being externally audited for validation purposes throughout the year.



Product Specification:

Mattress

Dimensions	L200 cm x W90 cm x H20 cm
Mattress Weight	11 kg
Minimum Patient Weight	There is No Minimum Patient Weight
Maximum Weight Capacity	250 kg (39 stone)
Flexibility	Mattress & Power Unit Available to Purchase Separately

Pump

Dimensions	L15.6 cm x W38.7cm x H25.1 cm
Weight	5.2 kg max (with battery)
Noise Level	20 dBA at operator position, 18 dBA at head end, in accordance with EN ISO11201:2010
IP Classification (degree of protection against fluid ingress)	IP42
Electrical Classification	Class II, Type BF
Supply Voltage/Frequency	100-240 VAC/50-60/HZ

Product Codes:

CuroCell UNO System (with Continuous Therapy Battery)	EHSCCUS01
CuroCell UNO System (without Continuous Therapy Battery)	EHSCCUS02
CuroCell UNO Mattress Only	EHSCCUM01
CuroCell UNO Pump Only (with Continuous Therapy Battery)	EHSCCUP01
CuroCell UNO Pump Only (without Continuous Therapy Battery)	EHSCCUP02

manufactured by



Essential Healthcare Solutions (UK) Ltd
Essential Enterprise Village, Field Head Lane,
Birstall, West Yorkshire WF17 9BN

Ph 0845 344 1912
Fx 0845 344 1913

Em info@essential-healthcare.com
Web www.essential-healthcare.com

part of the  essential group of companies



Care of Sweden and Curocell UNO are trademarks of Care of Sweden AB

Due to its policy of continued development and improvement, Essential Healthcare Solutions (UK) Ltd reserves the right to amend any details and specifications without notice

Lit 0009/01