

# Pulsating mode

## Pressure relief to combat pressure ulcers

Relieving pressure on the skin and allowing an even blood flow through the tissue is key to preventing and treating pressure ulcers.

We strive to achieve the best possible patient outcomes by developing innovative pressure care solutions. Pulsating mode is the latest among them.

## Mattress modes

In a traditional alternating mode the pressure alternates between the mattress cells in set cycle times to achieve effective pressure relief.

The pulsating mode is a combination of pressure relief and pressure redistribution with lower peak pressure compared to an alternating mode. It is designed to provide the best possible combination between an effective treatment and a high level of comfort for the user.



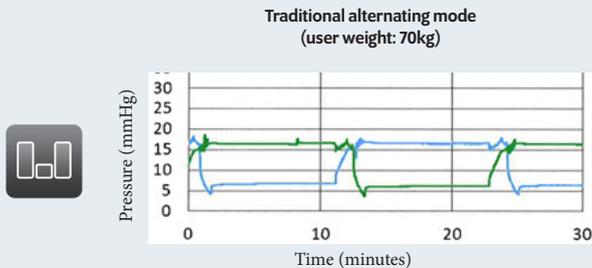
The CuroCell® A4 offers the option for the user to choose between a traditional alternating mode, pulsating mode and constant low pressure (CLP) mode.

## Pulsating mode proven most effective

When comparing the clinical outcomes of pulsating mode with a traditional alternating mode, research shows that the pulsating mode is the most effective choice for an even blood flow in the user's tissue<sup>(1)</sup>.

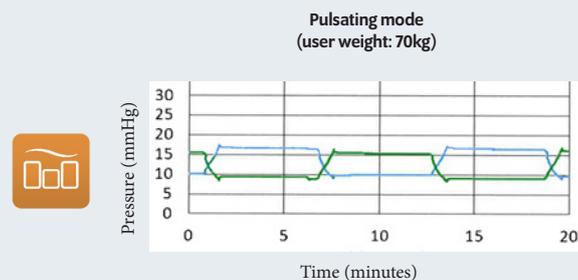
Research<sup>(1)</sup> also shows that the pulsating mode, compared to a traditional alternating mode, offers the user less awareness of the support surface's movements and is more adaptable to mimic the natural movements of the body.

The pulsating mode also provides less differences between the inflated and deflated mattress cells in order to give the user a safe, highly comfortable and calm experience on the mattress.



Peak pressure is observed where Cell 1 meets Cell 2.

Cell 1 —  
Cell 2 —



Pressure is gently distributed between the cells.



## Pulsating mode key benefits

- Less peak pressure
- Safe and comfortable experience
- Gentle therapy
- Proven functionality

<sup>(1)</sup>Dr Peter Worsley, Dr Luciana Bostan and Professor Dan Bader. Investigation of the biomechanical and physiological responses to prolonged lying postures during three mattress modes. Unpublished manuscript. University of Southampton, 2018.