

Automated pressure relief

Introduction to automation

Pressure relieving mattresses are traditionally operated by a manual or automatic control unit, also known as pump. In a manual system the operator usually set and regularly change pressure according to a few pre-set pressure intervals aimed to fit the majority of patient body types, movements and positions.

Challenging traditional automation

In our development of innovative pressure relieving mattresses we find that no user is the other alike, neither body type nor movements. Our mission is to help caregivers achieve the best possible patient outcome in pressure care. Therefore, we have developed fully automatic air mattress systems that adapts to each individual.

Fully automated mattress system

Our award winning software utilizes sensors that detect bed and user movements and body size. The control unit then continuously adapts the pressure and offers a unique therapy setting for each patient in all bed positions. A fully automated function means that the system continuously monitors and adjusts the air pressure to the needs of the individual patient/user and not just maintaining a constant pressure.



Fully automated mattress system key benefits

- No manual settings needed
- Individually adapted pressure relief
- Identifies bed and user position
- Time and resources saved

Award winning technology

Care of Sweden fully automated products have been internationally recognized for its innovative engineering and excellent performance.



Improved comfort and resource utilization

Fully automated systems does not only offer the user a comfortable individually adapted therapy but has several benefits for health care professionals.

Activate the control unit, await inflation and place the user on the mattress. All settings will be automatically adapted, and effective pressure relief will commence.

This is particularly beneficial during shift changes and staff rounds. It is easy to comprehend for new staff members and offers one less point to spend time on. Resources can be saved and user comfort improved.

Fully automated air mattress systems available



CuroCell UNO®



CuroCell® A4



CuroCell® IQ