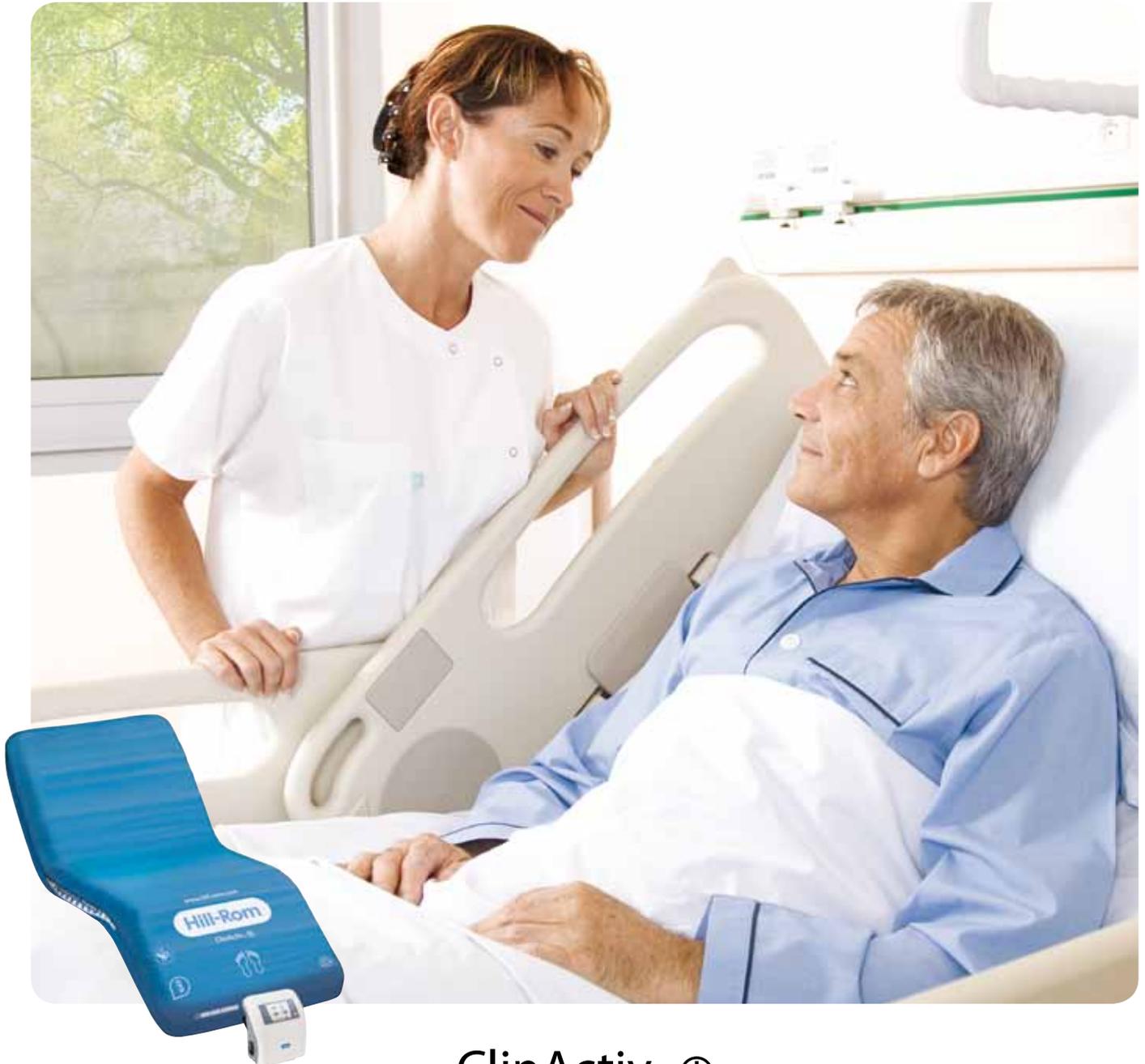


Next Generation of Pressure Care Management with I-mmersion™ Therapy



ClinActiv™ ⊕
ClinActiv™ ⊕ MCM™

Therapy Surface Mattress Replacement Systems

Hill-Rom

Enhancing Outcomes for Patients and Their Caregivers.™

ClinActiv™ ⊕ protects the patient's skin

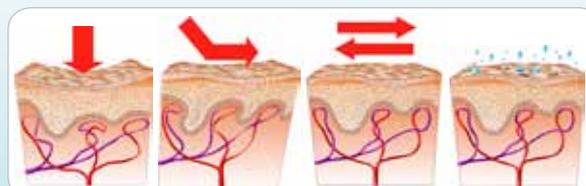
$$\text{Pressure} = \frac{\text{Weight}}{\text{Area}}$$



Choosing the right therapy surface is very important when trying to avoid pressure ulcers. The Hill-Rom® ClinActiv ⊕ Therapy Surface System is based on a number of innovations that makes it unique in the market.

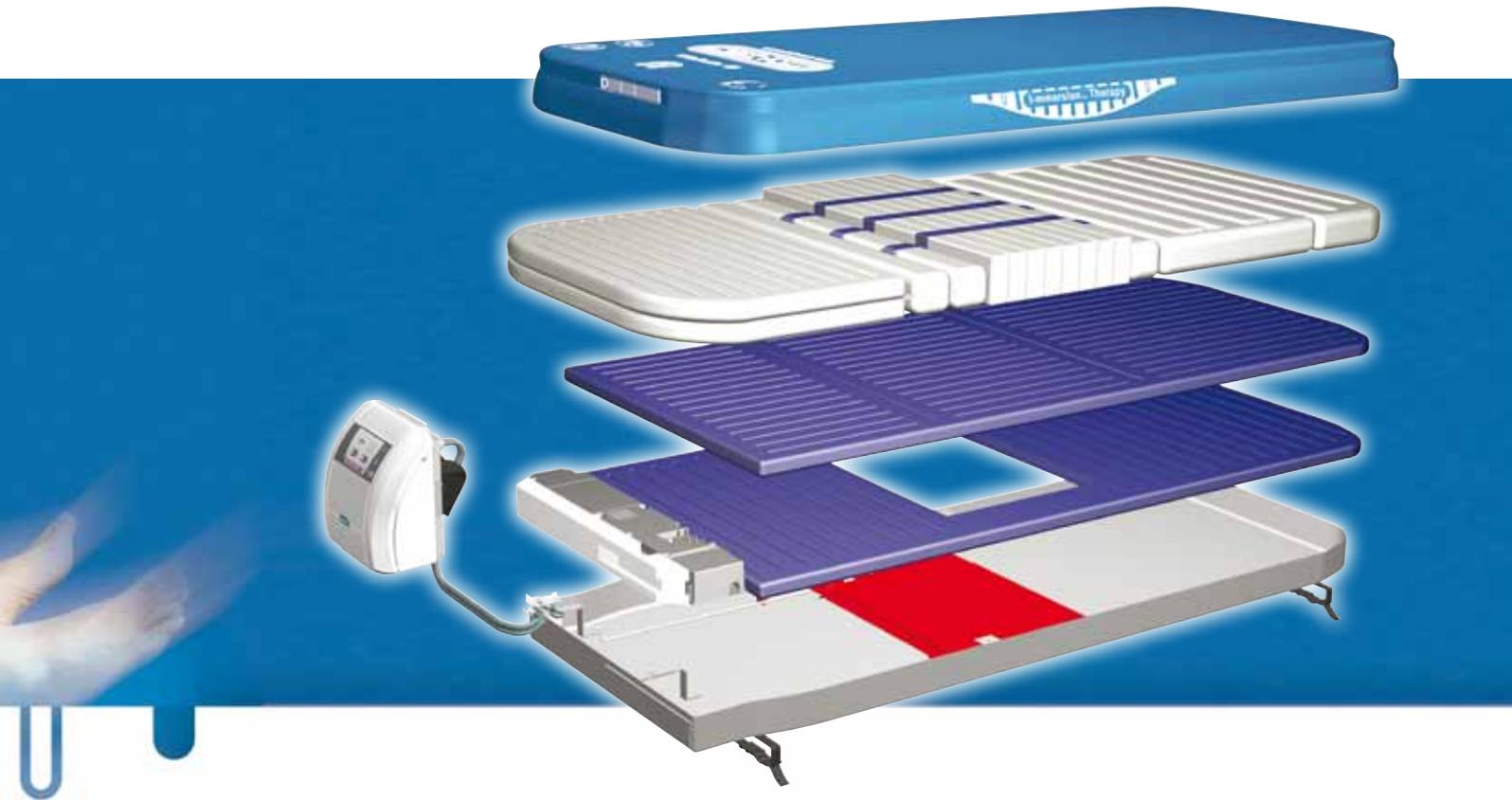
- Five individual low-pressure zones, including a dedicated heel zone.
- Real-time pressure adjustment with the Vario Advanced™ pressure control system.
- Real I-mmersion Therapy by providing maximum support area at all times.
- Flexibility in choosing between continuous or alternating low-pressure therapy mode.
- Airflow option for optimal MicroClimate Management – adjust automatically, only when the patient needs it.

Any hospital patient is at risk for developing pressure ulcers. At Hill-Rom, we are committed to providing surfaces that address the major causes of skin breakdown:



Pressure Shear Friction Heat & Moisture

by providing real I-mmersion™ Therapy



The latest development in a long row of successes

Following on from the well known and clinically proven success of Clinitron™ therapy, Hill-Rom's philosophy has always been to deliver state-of-the-art therapy surfaces set at low pressures to help preventing compression and distortion of vulnerable tissues. By design, we intentionally avoid delivering any high peak pressures.

1976



Clinitron



Duo™ 2 with De-Teq™ sensing technology



Primo with Vario™ pressure control system



Today

ClinActiv™ ⊕ with Vario Advanced™ pressure control system

Functionality through innovation.

Based on years of experience in developing effective therapy surface systems.



Innovative design to optimise immersion in the most vulnerable areas

Five independent low-pressure zones, including a dedicated head zone with continuous low pressure.

Newly designed sacrum zone with micro cushions and multi layer design.

Dedicated heel zone with ultra low pressure for optimal protection of the vulnerable heel area, and with enhanced lower-leg support.

Real-time pressure adjustment

Unlike conventional dynamic mattress systems that may take up to 20 minutes for cushion pressure to adjust after patient repositioning, the advanced ClinActivTM Therapy Surface System:

- Adjusts internal cushion pressures instantly, regardless of patient size, shape, weight or position.
- Creates optimal patient immersion at all times.



Flexibility in choosing therapy mode

Choose between Continuous Low Pressure or Alternating Low Pressure therapy. The Hill-Rom[®] ClinActiv[®] therapy surface provides real immersion therapy in both continuous and alternating low pressure modes.



Continuous Low Pressure mode

In this therapy mode, the complete surface stays in continuous low pressure, with all cushions being inflated, delivering optimal support and patient immersion.



Alternating Low Pressure mode

In this therapy mode, the middle section of the surface alternates in a “1 in 2” cycle, providing low pressure.



Innovative safety functions.

At Hill-Rom®, safety is always our priority. Several specific functions of the ClinActiv™ Therapy Surface help ensure maximum safety at all times.



Quick CPR mode

The special rapid deflation valve quickly deflates the mattress when needed.



Hill-Rom No Falls™ philosophy

Just 18 cm high, the mattress ensures maximum coverage of the bed side-rails.



Patient Egress Alarm

An audible alarm informs care staff of any undesired patient egress from the bed.



P-Max: Instant maximum inflation

Quickly inflate the mattress to the maximum pressure to facilitate transfers and patient care.



Lockable control unit

The control unit can be locked to avoid involuntary activation/deactivation of the therapy settings.



Enhanced cable management

The cable management system routes all power cables along the mattress, facilitating cleaning and reducing the risk for patient falls.

Caring for the environment.

Our concern about well-being does not stop with the patient and their caregivers. In fact, caring for the environment is an integral part of our entire business – from product development to distribution.

Green transports

The light weight, the small size of the mattress when rolled together, and the choice of transport method altogether helps minimize the environmental effects from transportation.

Quiet operation

The low sound emission from the ClinActiv® Therapy Surface ensures a healthy environment for the patients and the caregivers. The values are comparable with a standard desktop computer (38 dBA).

Low energy consumption

The power consumption is as low as 50 VA, also this comparable with an ordinary computer. Designed to be cost-efficient and preserve the environment.



ClinActiv™ ⊕ MCM™ – the Next Generation Low Air Loss System, using Airflow Technology

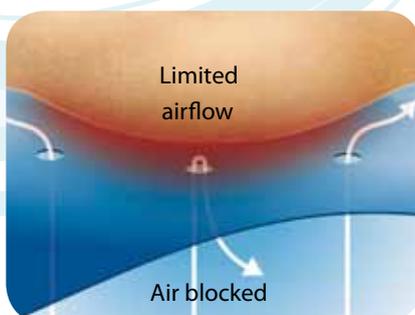
Heat and subsequent moisture accumulation are the most important non-pressure related risk factors.

Conventional low air loss systems have small perforations in the surface that easily are blocked by the patient, significantly reducing its effectiveness. With the ClinActiv ⊕ MCM Therapy Surface, effective microclimate management is achieved through innovative methods:

- Excess heat and moisture vapour are drawn into the airflow below the MCM cover before exiting into the atmosphere.
- Hi-tech spacer material inside the cover ensures that the airflow is consistent and evenly distributed.
- Skin temperature is kept at a low yet comfortable level to help preventing perspiration and maceration.
- The airflow is virtually silent and can be turned on and off when desired, using the optional hand pendant.
- The MicroClimate Management system automatically & gently regulates the skin temperature according to the patient's needs.

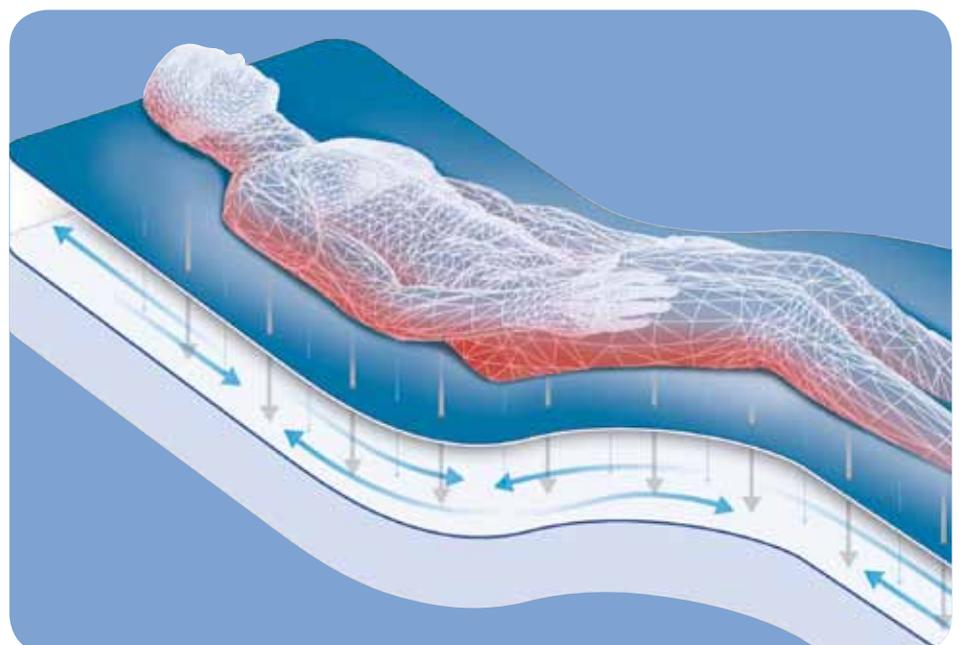
MicroClimate Management helps prevent pressure ulcer development through:

- Balancing skin temperature and moisture
- Reducing perspiration
- Reducing maceration
- Limiting the impact of friction
- Reducing tissue vulnerability to shear stress



OLD TECHNOLOGY. Conventional low air loss systems are prone to be blocked by the patient, substantially reducing its effectiveness.

NEW TECHNOLOGY. With the ClinActiv ⊕ MCM Therapy Surface, the Advanced Air Flow Technology ensures that heat and moisture vapour are effectively removed from the skin and surface, and also helps reduce heat build-up at source.



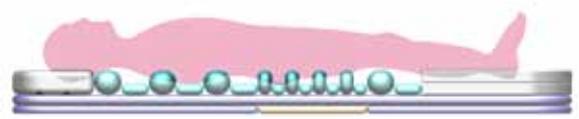


Different models of the ClinActiv™ ⊕ Therapy Surface

Alternating low pressure

ClinActiv ⊕

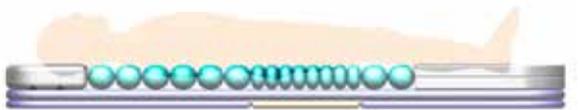
ClinActiv ⊕ MCM™



Continuous low pressure

ClinActiv ⊕

ClinActiv ⊕ MCM



Please contact your Hill-Rom representative for more information about different models and options.

The ClinActiv Therapy Surface System has been specifically developed to manage patients at risk of- or suffering from pressure ulcers, as an integral part of the Hill-Rom. Safe Skin™ philosophy.

Technical Specifications

Mattress:

Length:	203 cm
Width:	85 cm
Height:	18 cm
Weight:	16 kg

Cover Material:

Polyurethane coating on Polyamide fabric.

Maximum Patient Weight:

Therapeutic Weight Limit: (patient weight guaranteeing clinical efficacy in all usual backrest positions, excluding bedding necessities and accessories).	160 kg
Maximum Static Load: (maximum admissible load with the bed in the flat position.)	350 kg

Minimum Patient Weight: 30 kg

Control unit:

Height:	31 cm
Width:	28 cm
Depth:	22 cm
Weight:	4,9 kg

Electrical Requirements:

Voltage 230 VAC, 50-60 Hz

Current:

Rated:	0.25 A
Normal operation:	0.2 A maximum
Power consumption:	50 VA

Maximum Noise Output:

38 dBA @ 1 metre with a background noise of 35 dBA.

Class IIa Medical Device in accordance with the the Directive 93/42/EEC amended by Directive 2007/47/EC.



ClinActiv ⊕ MCM cover

Material: Polyurethane coating on polyester fabric, low friction, bacteriostatic, fungistatic, antimicrobial, water-proof. Can be wiped down, disinfected and laundered.

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www.hill-rom.com

Hill-Rom reserves the right to make changes without notice in design, specifications and models. The only warranty Hill-Rom makes is the express written warranty extended on the sale or rental of its products.

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