

Symbioso MCM



integrated air surface for Multicare hospital bed

Mattress-bed symbiosis



38%

incidence of pressure ulcers
in acute care



- More effective care thanks to the symbiosis of the bed with the mattress
- Option of individual determination of ideal pressure



Patient

- Simple controls integrated into the siderails
- Intelligent ideal pressure recommendation
- Simple cleaning



Staff

- Reduced costs of pressure ulcer treatment
- Open architecture: bed does not need to be removed from service



Management

Latest therapy

NEW GENERATION

of dynamically active Symbioso MCM system combines MicroClimate management (MCM) and constant low pressure (CLP) therapy, which helps to protect the patient's skin against moisture and pressure. Both systems contribute to effective prevention of pressure ulcers.



at relative 100% moisture
skin is

25x weaker
than at 50% moisture

MICROCLIMATE MANAGEMENT MCM

MCM helps manage the general condition and health of the patient's skin by reducing the risk of moisture damage and allows the body's natural thermoregulation process to take place.

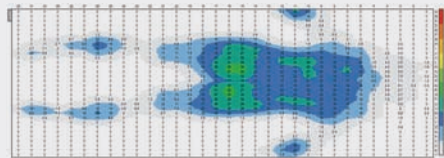


CONSTANT LOW PRESSURE CLP

The system automatically maintains the selected pressure value regardless of the change in the patient's weight distribution or position. This results in constant optimised pressure acting on the skin. It is recommended for patients with a high risk of developing pressure ulcers whose manual repositioning cannot be carried out frequently.

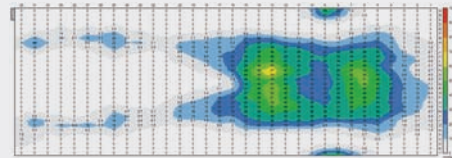


70kg Female 5'10" level 1
pressure setting – Supine
position



Average pressure 15 mmHG. Greater than 75%
of sensors reading less than 30 mmHG.

112kg Male 6'1" level 2
pressure setting – Supine
position



Average pressure 18 mmHG. Greater than 76%
of sensors reading less than 30 mmHG.

Typical interface pressures measured in laboratory conditions by a clinical professional after 20 minutes, allowing time for force maturation. All test subjects were healthy individuals and found the surface comfortable after approximately one hour of use.

Perfect interaction



EASILY AND QUICKLY

The bed structure and combination with the mattress is created so it can be as flexible as possible and pleasant and easy to control.

- Intuitive mattress controls integrated into the siderails
- No compressor throughout the entire bed
- The easy disconnection of the Symbioso MCM system allows quick change to any other active or passive mattress





There is perfect symbiosis between the active Symbioso MCM system and Multicare intensive care bed.



INTELLIGENT PRESSURE RECOMMENDATION

The new Symbioso MCM can offer the correct mattress pressure based on the patient's weight. The Multicare bed determines the current weight of a new patient and the system recommends the ideal pressure. The nurse can confirm the recommended value, or set it depending on the patient's individual needs. Everything can be controlled on the bed's display together with further functions.



IDEAL THERAPY WITH REGARD TO PRESSURE ULCER PREVENTION



EASY TO CONTROL



EFFECTIVE AND FLEXIBLE SYSTEM

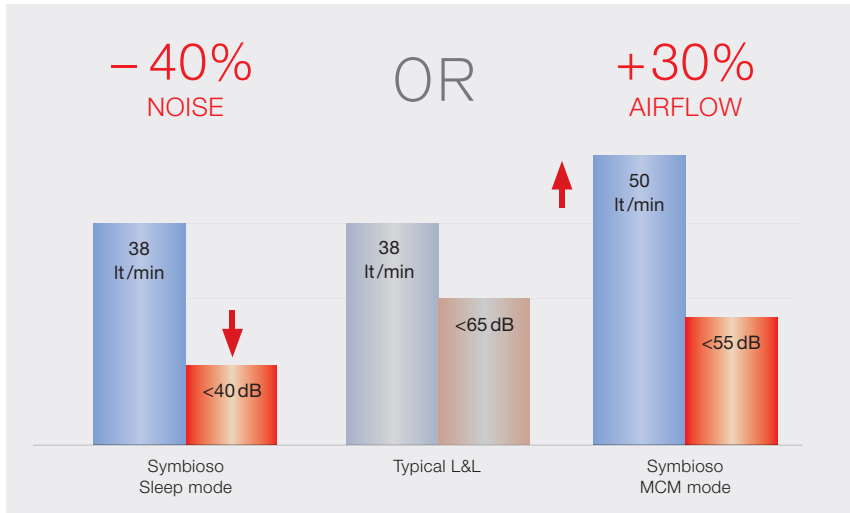
For patient comfort



Symbioso is

15 %

quieter than commonly
used mattresses
of the same type

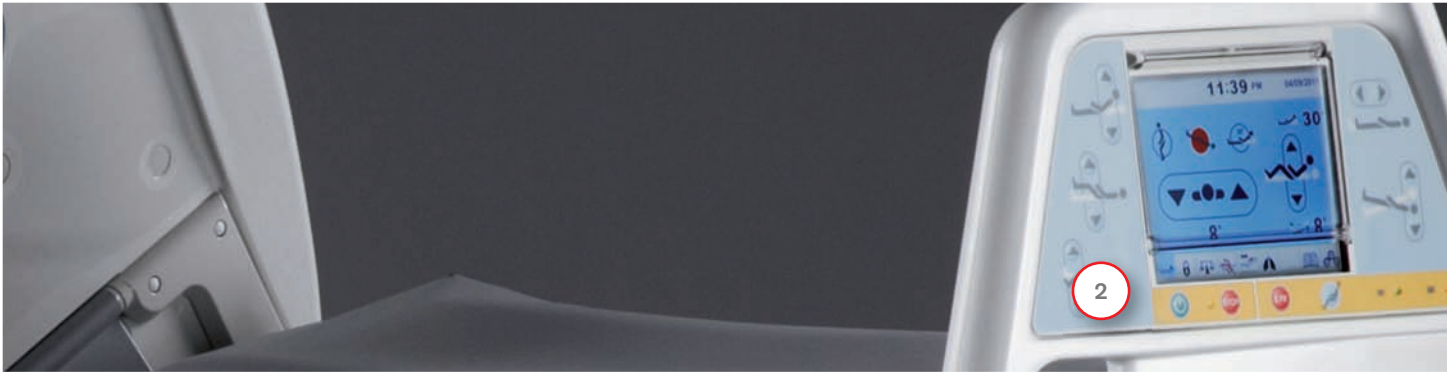


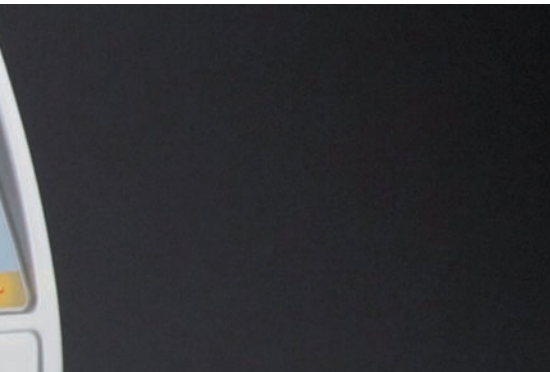
SLEEP MODE

Minimises sleep disturbance.

- This mode reduces blower speed and noise to minimize patient disturbance during sleep
- The sleep mode still delivers a clinically effective 38 litres per minute of dynamic air flow

Even greater safety





AUTOMATIC LINEAR FOWLER BOOST

1

The system automatically increases the pressure level in the seat section linearly as the back rest angle increases. This function can be deactivated.

ONE BUTTON CPR

2

One touch CPR simultaneously flattens the bed frame and deflates the air mattress. There is also a manual CPR release on the mattress for quick deflation during transport.

HEEL ZONE

3

Maximum protection of the sensitive heel area.

ADDITIONAL SAFETY FEATURES

- Intelligent alarm system
- GO button
- Integrated cables
- Automatic pressure adjustment
- Time return from MAX inflation mode after 30 minutes

Simplicity by design





EASY CLEANING AND MAINTENANCE

The modular construction of the mattress allows for quick and easy cleaning and repair of mattress components. The mattress cover can be wiped down or laundered for cleaning and disinfection.



TRANSPORT MODE

Facilitates the transport of the patient on a bed as the mattress remains inflated for a minimum of 12 hours when disconnected from the control unit.



MAX INFLATE MODE

Air mattress fully inflates to provide a firm surface for delicate nursing procedures or common procedures such as transfers and patient repositioning.

Symbioso MCM closer

1

COMFORT LAYER

Covers air cells to aid in patient comfort and maximise air flow for microclimate management.

2

ACTIVE AIR CELLS

Inflate to the recommended and selected pressure level and adjust automatically to accommodate for patient movement on the mattress.

3

TWO ADJUSTABLE CELLS

Help to maximise pressure reduction in the vulnerable heel area.

4

AIR SIDE FORMERS

Full length air side formers for improved patient safety and security whilst in bed and during egress.

5

BOTTOM FOAM LAYER

Copies the shape of the mattress platform and ensures stability of the mattress on the bed against accidental movement and for safety in case the air part of the mattress deflates.



Technical specifications

Mattress dimensions	2140 × 860 × 200 mm
SCU dimensions	360 × 220 × 100 mm
Mattress weight	9.5 kg
SCU weight	3.5 kg
Max. patient weight	250 kg

Electrical specifications

Power supply	220–240 V; 50 Hz
Electrical safety standard	EN 60601-1
Electrical safety Classification	class I, type B



PROTECTIVE MATTRESS COVER

has high moisture vapour permeability and offers a 4-way stretch to allow for patient immersion and envelopment. The zipper is protected by a flap to prevent fluid from penetrating inside the mattress.



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