

TurnCair 1000 Bariatric Mattress Replacement System with Turn Assist



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Improving outcomes in the patient environment

TurnCair 1000 Bariatric mattress replacement system with turn assist

The Medstrom TurnCair 1000 mattress replacement system enables safe handling and provides skin management therapies for patients weighing up to 454kg (71st).

A bariatric patient and their caregivers are presented with a unique set of challenges due to the physical size, health and mobility of the patient. These challenges include:-

- Lack of mobility
- Manual handling
- Impaired respiration
- Increased risk of pressure damage
- Compromised healing
- Increased sweating / moisture build-up

The TurnCair 1000 mattress replacement system provides bariatric patients and their caregivers with a highly effective solution to these challenges.

Turn Assist

This feature provides a range of turn time and angle settings to help caregivers turn a patient from side to side with no manual intervention.

- ¼, ½, ¾ and “full” turn
- 10, 20, 30 and 60 minute turn cycles
- Left, right and both side turn options
- Turn ‘Hold’ function

This facilitates easy manual handling by caregivers for personal care and position changes, easy changing of linens, inserting slide sheets and positional changes that can be carried out with one nurse.

The autofirm feature also assists patients and caregivers during patient transfer and treatment.

Continuous Lateral Rotation Therapy

The lateral rotation feature also offers benefits for patients who are immobile and at an increased risk of associated respiratory complications.

The gentle timed rotational cycle is easily tolerated and will mobilise secretions preventing them from pooling and becoming a focus for infection. In patients with existing respiratory conditions the rotational cycle will help to promote pulmonary drainage, and help to improve outcomes. This treatment is also appropriate for those who need mechanical ventilation and will play a part in the prevention of ventilator-associated pneumonia.

Rotation can be achieved both in the supine position and the semi-recumbent position ensuring comfort at all times, even during treatment.



Pressure Redistribution through Low Air Loss

The TurnCair 1000 therapy surface is divided into three distinct zones: head, torso and foot. Each zone is adjusted to ensure optimal pressure redistribution and provide a comfortable sleeping surface.

TurnCair 1000 provides maximum pressure redistribution:

- Includes 20 dual-chambered therapy cells with 20cm deep construction
- The low air loss design delivers a specific amount of air to each therapy cell and allows a controlled amount of air to escape, allowing pressure redistribution based on patient size, weight and position
- Equalises the pressure between the patient and the therapy cells distributing the patient's body weight evenly over a large surface area, resulting in a reduction in overall contact pressures
- The turn facility will also allow positional changes to offload pressure from specific areas, and if used overnight could facilitate hands off turns for specific patients



Moisture Control

Patients are at risk of skin maceration if excess moisture is permitted to accumulate beneath the patient. This may be due to perspiration, incontinence or wound drainage. This is more of a risk with bariatric patients who have the additional challenge of tight skin folds.

On the TurnCair 1000, moisture is controlled via the moisture vapour permeable cover that allows a sufficient amount of air to circulate around the patient, minimising heat build-up and subsequent sweating.

Medstrom Bari 10A Bariatric Bed Frame

Combine the TurnCair 1000 therapy surface with the Medstrom Bari 10A bariatric bed frame to achieve the following additional benefits:

- Safer patient turning
 - Thanks to a wider bed width of up to 1.22m
- Improved caregiver access
 - The four sections of the bed can be individually extended from 0.91m to 1.22m wide and from 2.03m to 2.23m long. This enables closer access for care.
- Effective and safe patient positioning via
 - Electric height adjustment
 - Electric Trendelenburg and reverse Trendelenburg
 - Electric comfort chair position
 - Auto-height transfer – taking the bed frame to the lowest height for safe patient transfer

TurnCair 1000 Features and Benefits



Left, right and both side turn options with hold function. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and “full” turn. 10, 20, 30 and 60 minute turn cycles. Simple, intuitive therapy control unit controls. Turn, Autofirm and Static operating modes. The control panel locks out after five minutes to ensure patient settings are not changed accidentally.



Side bolsters support the patient during the turn. Lateral deflation creates a ‘down and in’ turn cycle enhancing safety and a sense of security for the patient.



TurnCair1000 is divided into three anatomical zones; head, torso and foot, ensuring even weight distribution for all body areas. 20 individual therapy cells with 20cm deep construction help to evenly distribute the patient’s weight.



Rapid CPR deflate in less than 30 seconds by disconnecting hose from control unit.

Bari 10A Features & Benefits



The Bari 10A is width and length extendable. The four sections of the bed can then be individually width reduced, allowing safe, close access to the patient for nursing procedures.



Electric height adjustment from 48cm to 86cm aids safe mobilisation from the bed.



Electric back angle adjustment to 65°



Electric Trendelenburg and reverse Trendelenburg



Electric knee angle adjustment to 35° enhances comfort and prevents slipping, hence reducing shear.



The bed can be put into electric comfort chair position by just one operation. This aids respiratory function and can increase patient well-being.

TurnCair 1000

Mattress weight capacity*	454kg (71st)
Mattress dimensions	122cm (48") W x 203cm (80") L x 25cm (10") H
Modes	Autofirm, turn, static (with eight settings from soft to firm)
Turn angles	¼ , ½, ¾ , full
Turn cycles	10, 20, 30, 60 minute
Turn options	Left, right, both, none

Bari10A

Safe working load**	477kg (75st)
Mattress support platform width, adj	91 – 122cm (36 – 48")
Mattress support platform length, adj	203 – 223cm (80 – 88")
Overall bed width	99 – 132cm (39 – 52")
Overall bed length	229 – 249cm (90 – 98")
Min - max height	48cm - 86cm (18¾ - 33¾")
Under bed clearance	14cm (5½")
Maximum back angle to horizontal	65°
Maximum knee angle to horizontal	35°

* includes weight of patient, bedding, accessories etc.

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