

WHY CHOOSE MEDIAIR?

Cycle Time

5 minutes to 20 minutes enables the mattress to off-load the pressure of the bony prominence frequently so that skin perfusion can occur in vulnerable areas of the body more often. This ensures the patient is less likely to develop pressure ulcers.

Cell Construction

Dual layered cell construction which prevents bottoming out due to the supportive bottom layer.



Gatching

It also prevents the effect of gatching which occurs in deep cells. When the bed is profiled there is a concertina effect in adjacent cells. This eliminates the benefit of alternating therapy. As a result the skin does not experience the off-loading sequence of the cycle. Cell Construction enables easy decontamination.

Auto Adjust Sensor

Automatically adjusts the pressure to maintain low pressure when the patient is profiled eliminating the need for hand checks.

Cover

PU Coated stretch nylon. Fluid proof and vapour permeable.



Cycle Type

1 in 2. This ensures that 50% of the body is being offloaded during the cycle time.

CPR®

Allows rapid deflation.



Maximum Inflate

Inflates the mattress to its maximum firmness.

Transport Facility

Transport facility allowing unpowered support of the patient for up to 48 hours.

MEDIAIR Cushion

MEDIAIR Cushion can be connected to the pump for continuity of pressure area care.



Customisation

Available in various dimensions.

Technical Specifications:

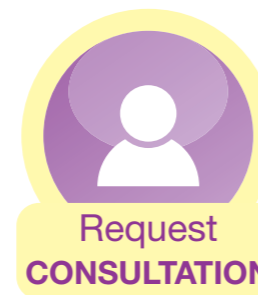
- Air Supply Controller
- Weight: 1.5 kg
- Length: 33 cm
- Height: 24 cm
- Depth: 16 cm
- Alternating Cycle Type: 1 in 2
- Alternating Cycle Times: 5-20 min
- Power Requirement
- Electrical Rating: 220V AC 60Hz
- Air Mattress
- Length: 200cm
- Width: 86cm
- Height: 20cm/12cm (Fully inflated)
- Cell Construction: Dual Layered up to 28 upper cells
- Warranty: 1 year
- Max. patient weight: 180kg

References:

- (1) Clark M, BoursG, Defloor T (2002). Report on the Prevalence of Pressure Ulcers.
- (2) Bennett G, Dealey C, Posnett J (2004). The cost of pressure ulcers in the UK. Age and Ageing. 33, 3, 230-235
- (3) Joyce M. Black; Laura E. Edsberg; Mona M. BaharestaniD; Diane Langemo; Margaret Glodberg; Laurie McNichol; Janet Cuddigan; the National Pressure Ulcer Advisory Panel (2010) Pressure Ulcers: Avoidable or Unavoidable? Results of the National Pressure Ulcer Advisory Panel Consensus Conference.
- (4) Bader DL (1990) Effects of compressive loading regimens on tissue viability, London, Macmillan.
- (5) Pieper B. (2006) Mechanical forces: pressure shear and friction. In: Bryant RA, Nix DP, eds. Acute and Chronic Wounds. 3er ed. St Louis, MO: Mosby.
- (6) Moore Z (2012) 'Using the 30° Tilt to Reduce Pressure Ulcers' The Nursing Times, Vol 108 No. 4
- (7) Bader DL (1990) Effects of compressive loading regimens on tissue viability. In: Bader DL(ed) Pressure Sores: Clinical Practise and Scientific Approach. London: Macmillan.
- (8) Reswick JB, Rogers JE (1976) Experience at Rancho Los Amigos Hospital with devices and techniques to prevent pressure sores. In: Bedsore biomechanics; proceedings of a seminar on tissue viability and clinical application. Eds. R. M. Kenedi. J.M. Cowden. J. T. Scales. - London: Macmillan.
- (9) Bain D. 2009 Evaluation of Dynamic Mattresses Comparing the Meditec Medi-Air to the Huntleigh Alpha Xcell and the Talley Quatro. Proceedings of EPUAP 2010 Conference Birmingham, U.K.
- (10) Moore Z (2012) 'Using the 30° Tilt to reduce Pressure Ulcers' The Nursing Times, Vol 108 No. 4

At Meditec Medical, we are committed to enhancing patient care, through our cutting edge therapeutic support surfaces and dedicated service. We support healthcare professionals and their patients with effective solutions that treat and prevent pressure ulcers. Our Research and Development Team work hand in hand with our customers to design and manufacture pressure relieving mattresses and related products.

Talk
to
us:



Please call us now at: **01 462 4045** or email: **info@meditecmedical.com**

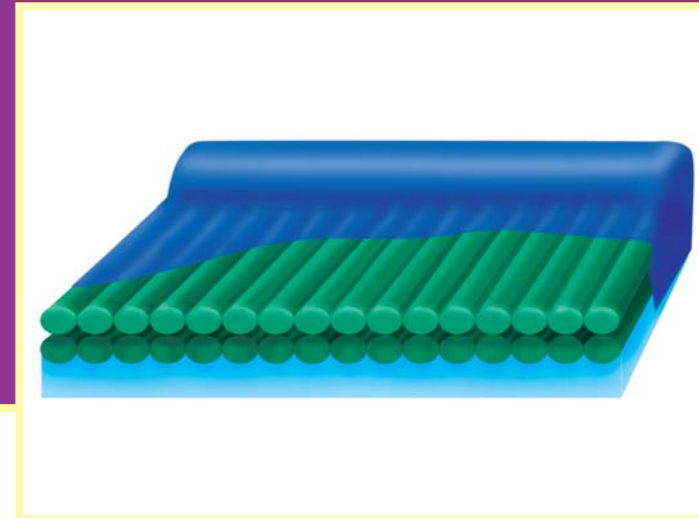
MEDITEC
ENHANCING PATIENT CARE

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MEDIAIR TURN

Alternating Rotation Therapy for Effective Pressure Relief



The MEDI AIR relieves more pressure more often through its alternating and rotation therapy than any other product in its category.



Designed and Manufactured in Ireland

MEDIAIR TURN

MEDIAIR TURN provides the solution by combining alternating pressure relief and rotation therapy in one. The innovative product design allows for maximum pressure relief in minimum time, along with repositioning your patient.

MEDIAIR TURN relieves the pressure off your patient and off you.

THE PROBLEM?

Pressure ulcers are extremely **common**. Approximately 8%-22% of patients in various settings have a pressure ulcer at any given time⁽¹⁾. They are extremely **costly**, with the annual cost in the UK alone approximately £1.4 - £2.1 billion⁽²⁾. They are also highly **preventable**⁽³⁾.

THE REASON?

Pressure ulcers only occur as a result of exposure to prolonged externally applied mechanical forces⁽⁴⁾, on those who cannot reposition themselves. **Immobility** is the **prime risk factor** of pressure ulcer incidence.

THE SOLUTION?

It is logical that since a pressure ulcer is caused by pressure, effective **preventive** interventions must **avoid or minimize** exposure to prolonged pressure⁽⁵⁾. International best practice advocates **frequent repositioning** of the patient as a preventive intervention⁽⁶⁾.

The MEDIAIR TURN relieves more pressure more often than any other product available. ⁽⁹⁾

DEFAULT SETTING

When the unit is switched on it will return to the previously set weight and cycle time.

ROTATION BUTTON

Activates and deactivates the rotation

STANDBY BUTTON

Activates the control unit (On/Off)
POWER SWITCH
Switch is located at the right side of the unit.

ALARM BUTTON

Alarm will activate if the power is disconnected or in the event of pressure failure, the Red LED will also flash. Press to cancel alarm.

MODE BUTTON

Switches display between Patient Weight / Alternating cycle.

MODE (weight) BUTTON To change press Up or Down buttons (40Kg-180Kg).

MODE (cycle) BUTTON
To change press Up or Down buttons (5,10,15,20 min).

MODE (rotation) BUTTON

To change the rotation time up & down 30m-210m

MODE (rotation) BUTTON

Select desired level of rotation

MAX INFLATE Inflates mattress (est. 30 min to max pressure) in Static mode. It has a 30min automatic cut off period, but can be cancelled by pressing the MODE button at any time.



“Patient repositioning is costly and labour intensive. It also poses a great risk to the nurse / carer”

MediAir Turn provides the solution by **combining** alternating pressure relief and rotation therapy in one. The innovative product design allows for **maximum pressure relief** in **minimum time**, along with repositioning your patient.

“MEDIAIR TURN relieves the pressure off your patient and off you”

HOW DO WE DO THIS?

ALTERNATING AIR THERAPY

It is well established that there is a pressure **time threshold** above which ulceration is likely.⁽⁷⁾ The ideal situation is to have **low interface pressures** for short periods of time to prevent pressure ulcers.

Reswick & Rogers ‘Pressure Tolerance Guidelines’

The *dual layer* of 28 cells results in a greater surface contact area and a **reduction** in interface pressure.

With the frequent cycle time of 5 minute to 20 minute intervals, the **MediAir Turn** relieves pressure more often than competitor’s products.

The **MediAir Turn** achieves **extremely low** interface pressures in a **very short** time period through its great design.

To view the complete alternating cycle visit www.meditecmedical.ie

ROTATION THERAPY

It is well documented that the **turning/tilting** of the patient into different positions 30° either side at different intervals **redistributes pressure** from bony prominences, thereby reducing the incidences of pressure ulcers.

The 30° tilt makes a **statistically significant** difference to pressure ulcer development compared with standard care.⁽⁸⁾

