

NoDec® AIRSTREAM THP



2 Cell-Cycle Alternating Pressure Mattress Replacement System With Total Heel Protection

AIRSTREAM THP is a new generation, 2 cell-cycle alternating mattress that retains all the features of AIRSTREAM2 but with an independent heel zone that provides pressure elimination therapy using Airwave Technology*. The separate, independently managed heel zone actually provides the complete elimination of interface pressures for about 40% of the 10 minute cycle by vacuum assisted deflation of the foot end air-cells. AIRSTREAM THP has been specifically designed to prevent pressure injuries on the heels and to accelerate the healing of existing pressure injuries in the lower limbs.

AIRSTREAM THP uses high speed solenoid technology to provide the rapid changes in airflow required to stimulate reactive hyperaemia in deep tissues surrounding bony prominences such as the sacrum and heels. All features of AIRSTREAM2 are retained in managing the mattress zone while complete extraction of air by vacuum assisted deflation from alternate cells of the heel zone provides complete pressure relief for the very vulnerable tissue of the heels. The independent heel zone does not require the limb to be elevated and helps overcome issues that can occur when the heels are left unsupported and weight is concentrated on the Achilles tendon.

A permanently inflated base layer of longitudinally placed, conjoined air-cells contains a large volume of air at low pressure which enhances patient comfort and makes "bottoming out" impossible even with a patient sitting up in bed. Two extra-large air-cells along each side of the base layer provide a firm and stable edge to the mattress and protect patients from falls as they transfer out of bed to trolley or chair.

* Use of the 'Airwave System' to Prevent Pressure Sores in Hospital" Prof. A N Exton-Smith, Lancet, 1982, 1288-1290

Recommended for nursing patients who:

Have limited mobility / require occasional manual repositioning



Are at increased risk of falls



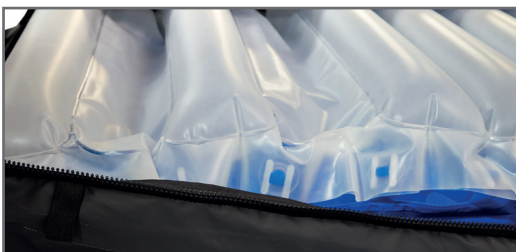
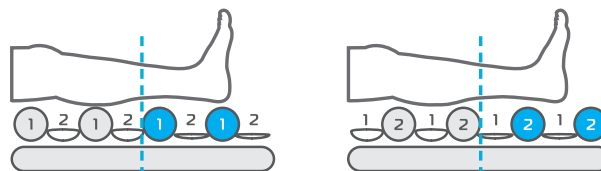
Are at high and very high risk of developing pressure injuries especially on the heels



Have established pressure injuries especially on the heels / have a past history of pressure injury



2 CELL-CYCLE WITH INDEPENDENT HEEL THERAPY



Clinically Proven Therapy

- Vacuum assisted deflation of the heel zone cells provides 'zero pressure' beneath the heels for 40% of the 10 minute cycle
- Automatic adjustment to patient weight and body position ensures the patient receives optimum pressure area care at all times
- Permanently inflated side formers increase patient safety for bed exits or transfers to chair or trolley
- Supportive but dynamic mattress surface replicates the body's natural spontaneous movements and enhances quality of sleep
- Quiet power unit with intuitive display panel showing system status
- Profiling and knee-break feature allows patient to comfortably recline or sit up without compromising pressure care
- Dual pressure settings improve comfort for frail patients without compromising pressure relief

Microclimate Control

- The optimised moisture vapour transmission rate of the Dartex® cover allows control of the microclimate
- Reduction of both temperature and moisture at the skin/mattress interface decreases the risk of pressure injury as well as enhancing patient comfort

Additional Nursing Support

- Rapid mattress deflation for cardiopulmonary resuscitation on activation of CPR release
- Simple to use Transport mode using the new combo 'one click' connector/CPR release
- Audible and visual alarms provide peace of mind for nursing staff

- Static mode provides a firm and stable surface for essential nursing procedures such as physiotherapy, wound dressing and bed linen change
- Static mode automatically reverts to alternating after 30 minutes
- Comfort control feature in Static and Dynamic modes to suit individual patient comfort or clinical requirements
- Cable management system ensures power cable can be safely and securely retained off the floor
- Transport mode ensures the mattress remains inflated in the event of mains power failure
- V-Lock system prevents accidental disconnection of the power cord

Maximises Infection Control


- Waterproof, multi-stretch, vapour permeable, Dartex® covers provide microclimate control at the skin/mattress interface and protect against the ingress of body fluids
- 360° zip protected by a generous waterfall flap allows covers to be easily removed for infection control and high temperature laundering
- Smooth covers reduce shear and friction and allow for easy wipe down with disinfectant
- Dual layers of joined cells can be easily wiped down and disinfected
- Vapour permeable, waterproof Dartex® covers have an anti-microbial agent incorporated in the polyurethane coating as an added protection against bacterial contamination

Technical Specifications

Number of cells	18
Mattress sizes	1900 x 880 x 230 mm 1900 x 800 x 230 mm
Max. patient weight	220 kg
Mattress material	Cells: Polyurethane Cover: Dartex® two-way stretch Polyurethane coated Nylon
Pump unit dimensions	400 x 160 x 250 mm
Mattress weight	9 kg
Pump weight	4 k
Classification	Class B Medical Device / Class I
Mattress - flammability rating	Complies with BS7175 ignition source 0, 1 and 5
Power unit - flammability rating / ingress protection	UL 94 V-0 / IP 42
Power supply / power consumption:	230 V~ ±10%, 50 / 60 Hz 20 W max

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