

Mattress Solutions

Product Catalogue





Key Features

1. Alternating Air Technology

- Individual air cells alternate in sequence
- 10-minute alternating cycles
- 3 scalable modes: therapy, static, care

2. Intelligent Sensing & Control

- Auto sensors on patient weight and posture
- Bluetooth and Wi-Fi app control
- Tilt sensor adjusts incline pressure

3. Pressure Point Protection

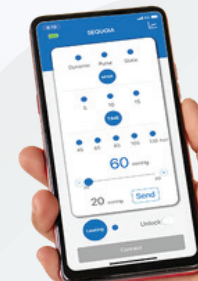
- Quick release valves for heel zone
- Integrated heel slopes and suspension systems
- Protects sacral and high-risk areas

4. Infection Control & Hygiene

- Durable PU and bi-elastic materials
- Waterfall flap and zip-off covers
- Welded seams for easy cleaning

5. Comfort, Safety & Compliance

- Memory foam and hyper-stretch coverlet
- Audible/visual alarms and anti-tamper locks
- ARTG, CE, and NDIS registered



 RISK LEVEL
HIGH - ACUTE



SEMI-ZONE

Air Alternating Mattress for targeted high-risk areas

The Semi-Zone is Patient Support Systems' premium semi-zoned air alternating mattress, delivering Bluetooth-controlled pressure release. Featuring a sacral air injection and containment system with restriction valves, a powerful 18 litre motor, and a unique cell-in-cell architecture, the Semi-Zone provides differentiated zone-specific pressure management for complex care environments.

Product Features

1. Zoned Pressure Redistribution

- 20 air cells support distinct body regions
- 3 static head cells provide stable head support
- Targets areas with high pressure injury risks

2. Sacral & Heel Protection

- Restriction valves enhance sacral off-loading
- Quick-release heel zone for immediate relief
- Optional Semi-Zone Kit for prolonged elevation

3. High Performance Control Unit

- Quiet 18 litres per minute control unit
- Consistent alternating therapy with a 10-minute cycle
- Clinically validated 25% greater pressure release

4. Connected Therapy Management

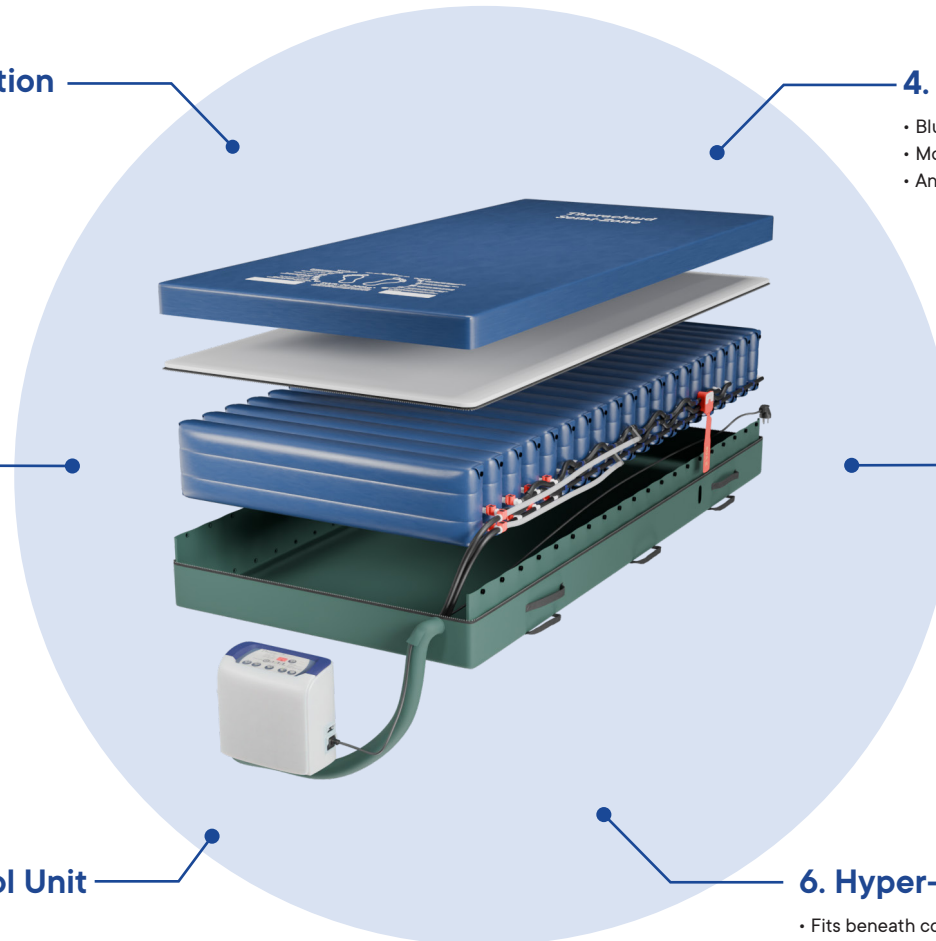
- Bluetooth app for remote clinical control
- Monitor and adjust therapy in real time
- Anti-tamper protection within 2 seconds

5. Intelligent Patient Sensing

- Automatically detects weight and position
- Adapts pressure during head elevation
- Optimises support throughout treatment

6. Hyper-Stretch Comfort Coverlet (Optional)

- Fits beneath compatible top covers
- Micromesh coverlet for a healthy microclimate
- Foam layer improves comfort and insulation



Benefits



Clinical

- Targeted pressure relief at high-risk anatomical sites
- Supports pressure redistribution across multiple zones
- Designed for complex pressure care needs



Financial

- Supports cost-effective care across extended admissions
- ARTG registered and NDIS compatible
- 2-year warranty on control unit and soft goods



Operational

- Centralised therapy monitoring via Bluetooth
- Simplified setup and therapy adjustment
- Spring hooks and straps support efficient bed changes



Labour

- Reduces manual repositioning requirements
- Minimises routine staff intervention
- Supports more efficient pressure care delivery

Intended Use

- High-acuity and complex care environments
- Neurological, oncology and intensive care settings
- Patients requiring targeted sacral or heel pressure management

Specifications

Control Unit

Dimensions:	W 30 × H 25 × D 15 cm
Weight:	3 kg
Mode of Operation:	Non-Continuous
Power Rating:	240V 50Hz 12VA
Air Flow:	18 Litres per minute
Transport Function:	Hose End Cap
Warranty:	2 Years Control unit / 2 Years Soft Goods
Auto Startup	✓
Auto Sensor for Patient Weight Profile and Position	✓
Comfort Override Control	✓
Self Diagnostics	✓
Audible/Visual Alarm	✓
Mute Function	✓
Static Mode	Timeout - 60 minutes
Care Mode	Timeout - 20 minutes
Incline Mode with Auto Tilt Sensor	✓
Auto Anti Tamper – 2 Second Unlock Function	✓
CE Certification and C-Tick Listed N27882	✓

Mattress Replacement

Standard Dimensions:	L 200 × W 90 × H 20 cm
King Dimensions:	L 200 × W 107 × H 20 cm
Alternating Cell Type:	Safety Cell in Cell
Overall Cell Count:	20
Quick release valves:	6
Cell Material:	Pure TPU
Top Cover:	Dahlia Bi-Elastic 2-way stretch – welded
Base:	Nylon TPU welded
Cell Cycle:	1 in 2
Alternating Mode:	10 minutes per alternation
Infection Control:	Welded Top Cover
Positioning Handles:	2 Sides
Base Attachment:	Side Straps

Hyper-Stretch Coverlet (Optional)

Dimensions:	L 200 × W 90/107 × H 1cm
Attachment:	Full-perimeter zip
Cover Material:	High Performance Microfibre
Foam:	Dunlop Marathon Hypersoft HS18-35 with Ultrafresh

⚠ RISK LEVEL
MEDIUM-HIGH



AIRLO 8

Standard Therapeutic Air Alternating Mattress

The Air-Lo 8 delivers clinically proven air therapy for advanced pressure injury prevention. Featuring automatic weight and posture sensing, Bluetooth and Wi-Fi connectivity, and a patented hyper-stretch coverlet option, the system continuously adapts to patient needs while reducing manual intervention. Ideal for hospital and aged care environments.

Product Features

1. Auto-Sensing & Adaptive Therapy

- Automatic weight and posture detection
- Therapy adapts without manual adjustment
- Personalised pressure redistribution

2. Intelligent Cell Design

- 18 single-chamber air cells
- 1-in-2 alternating cell coverage
- Clinically proven 25% greater pressure off-loading

4. Quick Release Heel Zone

- Rapid heel pressure off-loading
- Mitigates injury risk without disrupting therapy
- Spring-loaded hang hooks supports setup

5. Advanced Safety System

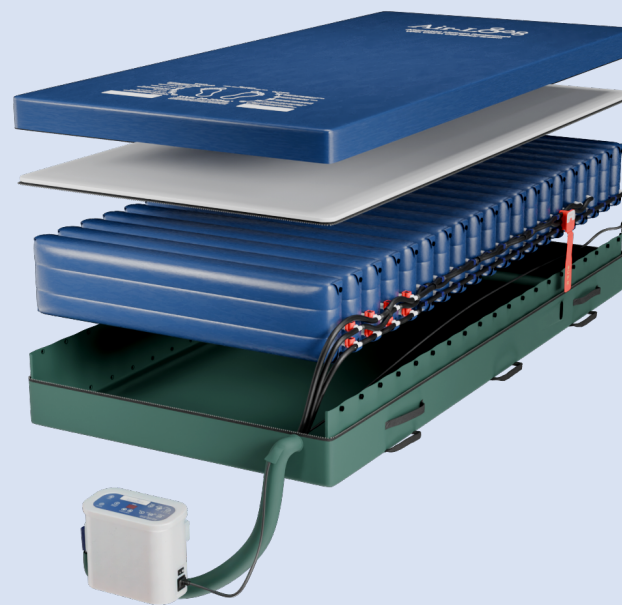
- Audio and visual alarms available
- Auto anti-tamper with 2-second unlock
- Tilt sensor automatically adjusts pressure

3. Connected Monitoring & Diagnostics

- Bluetooth and Wi-Fi enabled monitoring
- Real-time audible and visual alerts
- Self-diagnostics based on patient profile

6. Patented Hyper-Stretch Coverlet (Optional)

- Microfibre coverlet beneath top cover
- Hypersoft foam with Ultrafresh antimicrobial technology
- Enhances patient comfort and thermal insulation



Benefits



Clinical

- Greater off-loading through rapid pressure release
- Consistent therapy across weight and position changes
- Supports tissue reperfusion through alternating cycles



Financial

- Supports efficient resource use across extended care
- NDIS compatibility for accessible funding pathways
- 2-year warranty for long-term system value



Operational

- Automatic sensing simplifies therapy setup
- Bluetooth enables remote system monitoring
- Self-diagnostics support faster fault identification



Labour

- Reduces routine repositioning demands
- Fewer manual pressure adjustments required
- Minimises unnecessary bedside interventions

Intended Use

- Medium to high pressure injury risk
- Extended or limited-mobility care
- Hospital, aged care and community settings

Specifications

Control Unit

Dimensions:	W 27 × H 21 × D 10 cm
Weight:	2.5 kg
Mode of Operation:	Non-Continuous
Power Rating:	240V 50Hz 12VA
Air Flow:	10 Litres per minute
Transport Function:	Hose End Cap
Static Mode:	Timeout – 60 minutes
Care Mode:	Timeout – 20 minutes
Certification:	CE / C-Tick Listed N27882
Warranty:	2 Years Control unit / 2 Years Soft Goods
ARTG:	175810
Smart Functions :	· Auto Startup · Weight & Position Sensor · Comfort Override · Self Diagnostics · Audible/Visual Alarm · Mute · Incline/Auto Tilt · Anti-Tamper

Mattress Replacement

Standard Dimensions:	L 200 × W 90 × H 21 cm
King Dimensions:	L 200 × W 107 × H 21 cm
Alternating Cell Type:	Single Chamber
Overall Cell Count:	18
Cell Material:	Pure TPU
Top Cover:	Dahlia Bi-Elastic 2-way stretch – welded
Base:	Nylon TPU welded
Cell Cycle:	1 in 2.
Alternating Mode:	10 minutes per alternation
Infection Control:	Welded Top Cover, Zip and Base
Mattress Attachment:	Adjustable Bed Frame Straps

Hyper-Stretch Coverlet (Optional)

Dimensions:	L 200 × W 90 × H 1 cm
Attachment:	Top Cover Zip
Cover Material:	High Performance Microfibre
Foam:	Dunlop Marathon Hypersoft HS18-35 with Ultrafresh

 RISK LEVEL
MEDIUM



THERAFLOW

Integrated Mattress System

The Theraflow combines effective pressure therapy with enhanced patient comfort. With a 1-in-3 alternating cycle, Theraflow delivers reliable pressure redistribution while providing a comfortable support surface for long-term care

Product Features

1. Balanced Pressure Therapy

- Supportive 1-in-3 pressure alternation
- Promotes tissue reperfusion at high risk-areas
- Balances clinical effectiveness with patient comfort

2. Skin Protection Technology

- Breathable micromesh construction supports airflow
- Helps regulate heat and moisture at the surface
- Supports a healthy skin microclimate

3. Comfort-Oriented Support Surface

- 1 cm hyper-stretch foam coverlet enhances comfort
- Soft open-cell foam minimises pressure points
- Gentle alternation supports uninterrupted rest

4. Targeted Pressure Relief

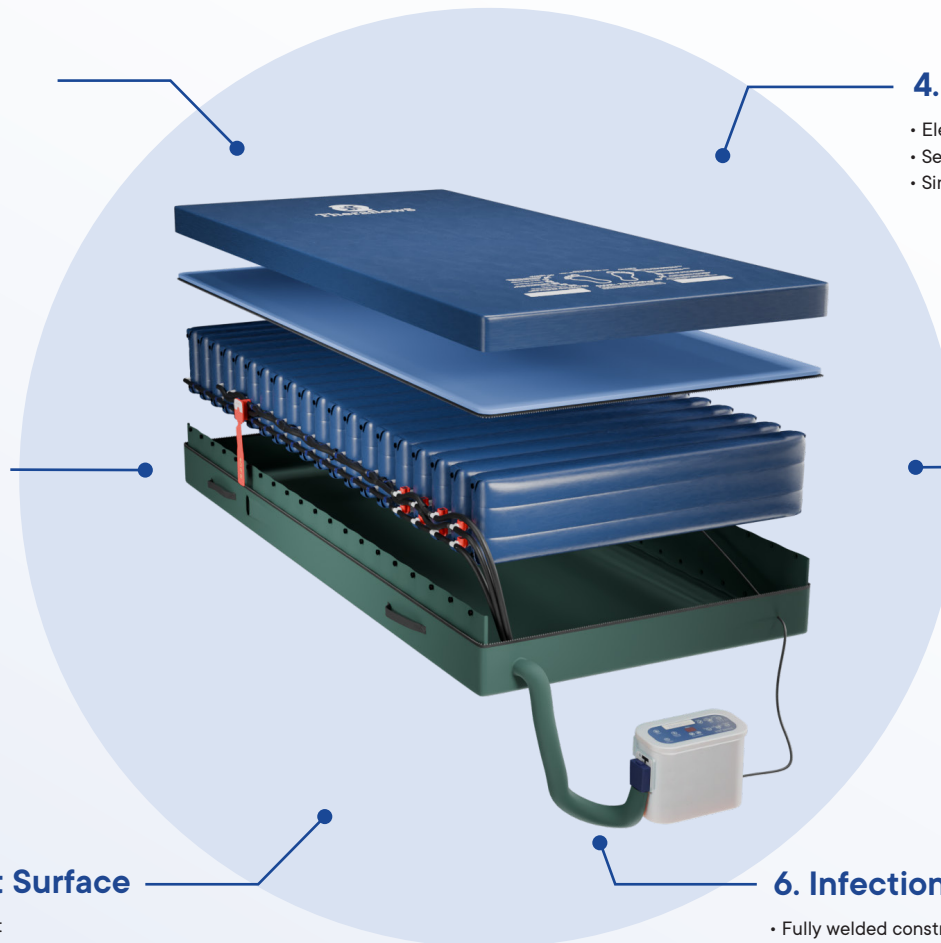
- Elevated heel section offloads vulnerable areas
- Self-diagnostics identify pressure-related concerns
- Single alternating cells optimise redistribution

5. Intelligent Control System

- Quiet 10 litres per minute control unit
- Consistent therapy with minimal noise
- Automatically detects patient weight and position

6. Infection Control Construction

- Fully welded construction supports infection control
- PVC base improves durability and longevity
- Non-slip PVC straps improve stability during transfers



Benefits



Clinical

- Effective pressure redistribution for high-risk patients
- Supports tissue perfusion while reducing prolonged pressure loading
- Reliable therapy suitable for acute and long-term care



Financial

- One solution balancing therapeutic performance and patient comfort
- Durable materials reduce maintenance requirements
- Suitable across a wide range of care environments



Operational

- Easy-to-clean welded construction supports infection control
- Stable design simplifies patient transfers and repositioning
- Durable construction for demanding healthcare environments



Labour

- Reduces routine manual repositioning demands
- Integrated heel elevation reduces separate off-loading needs
- Stable side support simplifies patient handling

Intended Use

- Medium-risk patients requiring effective pressure redistribution with enhanced comfort
- Hospitals, aged care and rehabilitation facilities
- Long-term care where both clinical outcomes and patient comfort are priorities

Specifications

Control Unit

Dimensions:	W 27 × H 21 × D 10cm
Weight:	2.5 kg
Mode of Operation:	Non-Continuous
Power Rating:	240V 50Hz 12VA
Air Flow:	10 Litres per minute
Transport Function:	Hose End Cap
Warranty:	Control Unit : 2 years Soft Goods : 2 years
Auto Startup	✓
Auto Weight Detect	✓
Digital Comfort Control	✓
Self Diagnostics	✓
Audible/Visual Alarm	✓
Mute Function	✓
Static Mode	Timeout - 60 minutes
Care Mode	Timeout - 20 minutes
Manual Incline Mode	✓
Auto Anti Tamper-Control	✓
Panel Lock Function	
CE Certification and C-Tick Listed N27882	✓

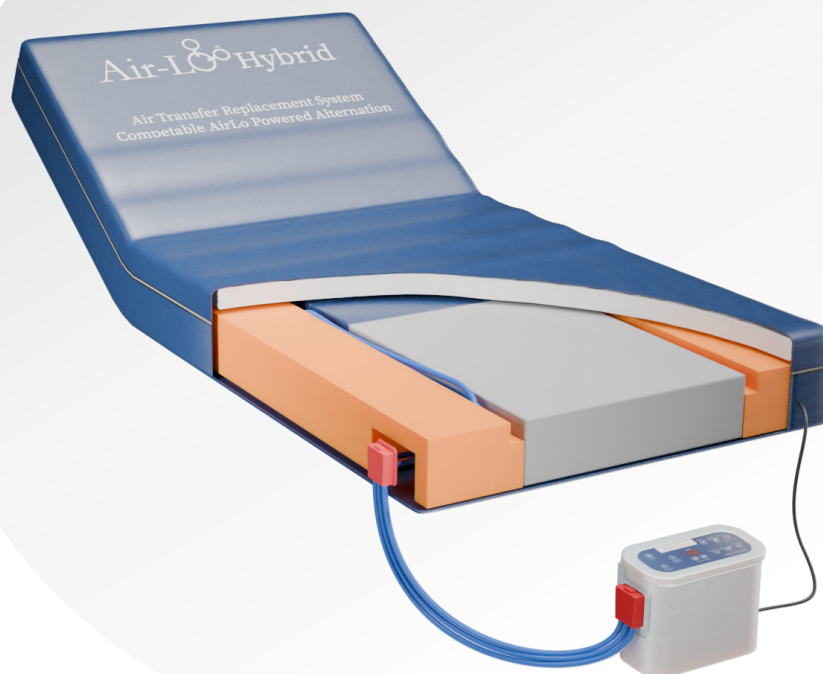
Mattress Replacement

Standard Dimensions:	L 200 × W 90 × H 20 cm
King Dimensions:	L 200 × W 107 × H 20 cm
Alternating Cell Type:	Single Cell
Overall Cell Count:	20
Cell Material:	Pure TPU
Base:	Assorted PU and PVCs, welded
Cell Cycle:	1 in 3
Alternating Mode:	10 minutes per alternation
Infection Control:	Welded Top Cover, Zip and Base
Mattress Attachment:	Non-Slip PVC Straps

Hyper-Stretch Coverlet

Dimensions:	L 200 × W 90 × H 1 cm
Attachment:	Zips to PVC flaps around cell section
Cover Material:	High Performance Micromesh

 RISK LEVEL
MEDIUM-HIGH



AIRLO HYBRID

Hybrid Mattress Replacement System

The Air-Lo Hybrid is a next-generation convertible mattress replacement system combining multi-layer foam comfort with on-demand alternating air therapy. Designed for optimal comfort, the Hybrid transforms instantly from a premium static support surface to active 10-minute alternating therapy simply by connecting the hose.

Product Features

1. Convertible Hybrid Design

- Converts from static to active therapy
- No patient transfer or bed change required
- Balances comfort with clinical performance

2. Targeted Alternating Therapy

- Targets the sacrum and lower back
- 10-minute alternating therapy cycle
- Redistributes pressure across high-risk areas

3. Multi-Layer Comfort System

- 5 cm memory foam cushions the body
- Dual-layer foam enhances comfort and support
- Designed to accommodate diverse clinical needs

4. Integrated Patient Support

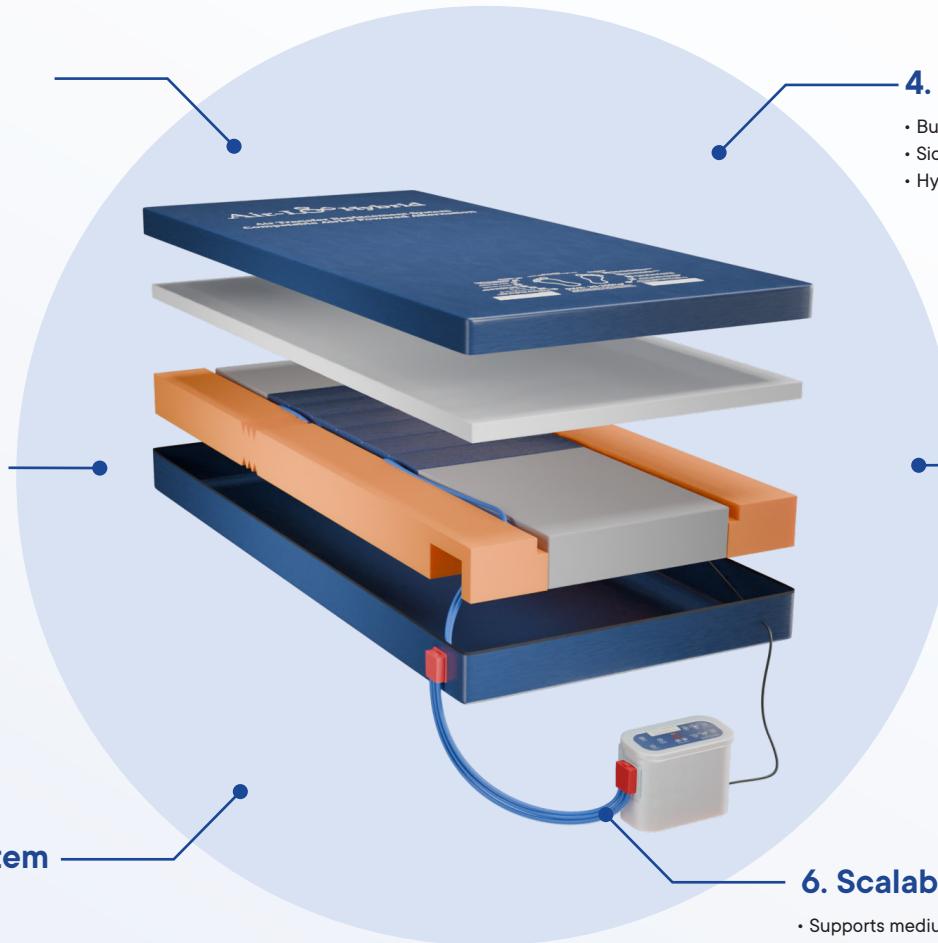
- Built-in heel slope promotes passive off-loading
- Side walls assist patient transfers
- Hygienic PU cover with zip closure for infection control

5. Flexible Control Options

- Compact control unit for cost-effective therapy
- Bluetooth option for remote therapy management
- Choice of control to suit care requirements

6. Scalable Risk Coverage

- Supports medium to high pressure injury risk
- Adapts as patient risk levels change
- NDIS registered for eligible participants



Benefits



Clinical

- Targeted redistribution across high-risk areas
- Comfort-focused support for extended use
- Integrated heel slope supports passive off-loading



Financial

- Cost-effective control unit option available
- Convertible design supports long-term system value
- NDIS registration supports funding access



Operational

- Converts from static to active therapy
- Choice of control units supports different care needs
- No mattress or bed change required



Labour

- Eliminates manual mattress changeovers
- Reduces routine therapy intervention
- Bluetooth option enables remote adjustments

Intended Use

- Users at medium to high pressure injury risk
- Clinical and community care requiring comfort-focused support
- Care environments seeking cost-effective active therapy

Specifications

Control Unit

Dimensions (Compact)	W 24 × H 12 × D 9cm
Weight (Compact)	2 kg
Dimensions (Bluetooth)	W 27 × H 21 × D 10cm
Weight (Bluetooth)	2.5 kg
Mode of Operation	Non-Continuous
Power Rating	240V 50Hz 12VA
Air Flow	10 Litres per minute
Transport Function	Hose End Cap
Auto Startup	✓
Auto Sensor for Patient Weight & Position	✓
Comfort Override Control	✓
Self Diagnostics	✓
Audible/Visual Alarm	✓
Mute Function	✓
Static Mode	Timeout - 60 minutes
Transfer Mode	Timeout - 20 minutes
Control Lock	Press to unlock

Warranty & Compliance

Control Unit Warranty	2 years
Soft Goods Warranty	2 years
ARTG Number	175810
Other Certifications	CE Certification; C-Tick Listed N27882

Mattress Replacement

Standard Dimensions:	L 198 × W 90 × H 20 cm
King Dimensions:	L 198 × W 107 × H 20 cm
Alternating Cell Type:	Single Chamber
Overall Cell Count:	6
Cell Material:	Pure TPU
Top Cover	Dahlia bi-elastic, 2-way stretch, welded
Base:	Nylon TPU welded
Cell Cycle:	1 in 2
Alternating Mode:	10 minutes per alternation
Infection Control:	Welded Top Cover, Zip and Base
Mattress Attachment:	Adjustable bed frame straps

Hyper-Stretch Coverlet

Dimensions	L 200 × W 90 × H 1 cm
Attachment	Top cover zip
Memory Foam	●

 RISK LEVEL
LOW-MEDIUM



MEDI-V

Integrated Mattress System

The Medi-V is a cost-effective integrated mattress system designed for accessible, reliable pressure care. A built-in control unit eliminates separate pump configuration and simplifies setup, while the integrated design supports consistent therapy across home, community and residential aged care settings.

Product Features

1. Integrated Control Unit

- Control unit integrated within mattress
- Simple plug-and-switch operation
- Reduces setup and training requirements

2. 1-in-2 Alternating Therapy

- 12 cm cells inflate within 20 minutes
- 10-minute cycle maintains pressure redistribution
- Supports users up to 150 kg

4. Micro-Vibration Therapy

- Promotes lower limb circulation
- Supports circulation during limited mobility
- Designed for users with circulatory risk

5. Emergency Evacuation Handles

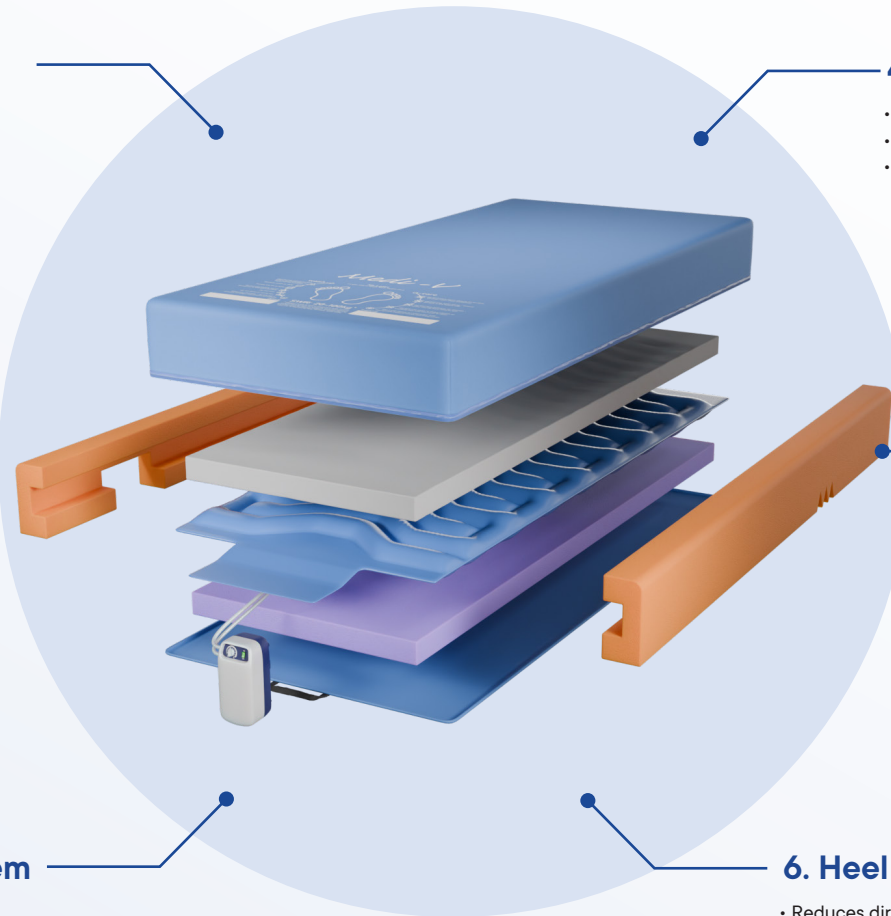
- Multiple handles support safe positioning
- Supports efficient emergency evacuation
- Gravity base keeps mattress securely positioned

3. Multi-Layer Comfort System

- 5 cm memory foam enhances comfort and support
- Side bolsters improve stability during care
- Multi-stretch PU cover reduces shear and friction

6. Heel Suspension System

- Reduces direct heel tissue loading
- Supports heel pressure injury prevention
- Simplifies care and reduces accessory needs



Benefits



Clinical

- Provides active pressure redistribution
- Protects anatomically vulnerable sites
- Supports low-to-medium risk patients



Financial

- Lower upfront procurement costs
- Reduced maintenance and servicing costs
- NDIS registered for funding access



Operational

- Simple plug-in, switch-on setup
- Custom widths for varied bed frames
- Waterfall flap simplifies linen changes



Labour

- Integrated design simplifies deployment
- Reduces manual repositioning requirements
- Lowers manual handling demands

Intended Use

- Low-to-medium pressure injury risk
- Residential aged care, community, and home care
- NDIS participants and self-managed recipients

Specifications

Control Unit

Dimensions:	24 × 9 × 12 cm
Weight:	4 kg
Mode of Operation:	Continuous
Power Rating:	240V 50Hz
Air Flow:	4.5 Litres per minute

- ▶ Comfort Override Control
- ▶ Self Diagnostics
- ▶ Visual Alarm
- ▶ CE Certification and C-Tick Listed IP21

Mattress Replacement

Standard Dimensions:	200cm × 21cm × 90cm
King Dimensions:	200cm × 21cm × 107cm
Alternating Cell Type:	Single Mould
Cell Material:	Polyurethane
Top Cover:	Multi-stretch Polyurethane
Base:	PVC
Cell Cycle:	10 minutes
Alternating Mode:	1 in 2 alternation
Infection Control:	Waterfall Flap
Positioning Handles:	2 per side & 1 each end
Base Attachment:	Gravity
Order Code – Single:	MV-1H-LS-090-MT
Order Code – King:	MV-1H-KS-107-MT



MEDICAL • DESIGN • INNOVATION

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