



**PATIENT
SUPPORT
SYSTEMS**

MEDICAL • DESIGN • INNOVATION



Product Catalogue

☎ 1800 432 247

✉ service@patientsupportsystems.com

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MEDICAL • DESIGN • INNOVATION

We Are Patient Support Systems

Patient Support Systems is a family-owned Australian innovator in pressure care, with more than 15 years of experience supporting the medical community.

We work closely with our customers at every step, from your first product consultation through to ongoing support, so you always have someone to turn to.

At the heart of our range is air alternating therapy, delivered through mattresses, cushions and seating systems. Each air cell is thoughtfully engineered to improve comfort, safety, hygiene, portability and care efficiency, for patients and carers alike.

Our products and services are designed to work together as a complete pressure care ecosystem, helping deliver consistent, reliable clinical outcomes.

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Seating Systems

Alliana Static Cushion



Order Code :
AA-SC-1H-ST-048-STA



Alliana

Air Static Seating Cushion

Stable Pressure Redistribution Cushion

The Alliana Air Static Cushion uses a simple manually adjustable air system to provide stable and evenly supported seating comfort. Interconnected air cells of varying heights allow natural air movement that adapts to the user's weight and posture, supporting circulation, pressure redistribution and long-term comfort without powered components.

Benefits



Clinical

- Greater off-loading through even pressure distribution
- Protects anatomically vulnerable ischial and sacral sites
- Supports tissue circulation without powered alternation



Operational

- Intuitive daily use with no electronics or cords required
- Single-valve inflation with included manual hand pump
- Fully welded waterfall flap simplifies hygiene maintenance



Financial

- Cost-effective seating pressure care solution
- Durable soft PVC ensures system longevity
- NDIS registered for accessible funding pathways



Labour

- Lightweight design simplifies transport & setup
- Reduces routine manual repositioning demands
- Zero charging, cord or battery maintenance

Benefits

1. Zoned Air Cell Design

- 72 interconnected air cells
- Raised borders for lateral stability
- Raised central pelvic support

2. Natural Pressure Control

- Uneven cell heights redistribute load
- Pressure spreads across surrounding cells
- Balanced support across seating surface

3. Manual Air Adjustment

- Single-valve inflation with hand pump
- Customisable firmness to user weight
- Sealed support stability

4. Postural Support

- Adapts to user weight and posture
- Supports lower-body circulation
- Enhances comfort during prolonged sitting

5. Infection Control Cover

- Dahlia bi-elastic, two-way stretch fabric
- Fully welded seams with waterfall zip
- Easy-clean PU fluid-resistant surface

6. Care & Maintenance

- Zero electronic components or wires
- Rear Velcro straps for secure attachment
- Lightweight and easy to handle



Specifications

Product Specifications

Order Code:	AA-SC-IH-ST-048-STA
Dimensions (Standard):	L 48 x W 44 x H 6 cm
Cell Type:	56 soft PVC single-mould
Inflation:	Hand pump with manual valve
Base Attachment:	Rear Velcro straps

Cover & Construction

Top Cover:	Dahlia bi-elastic 2-way stretch
Base:	Dahlia bi-elastic 2-way stretch
Infection Control:	Fully welded seams, waterfall zip
Warranty:	2 years (soft goods)
ARTG:	175810

Seating Systems

Alliana Alternating Cushion



Order Code :

AA-SC-1H-ST-045-Tp:I-ACT-CMP



Alliana

Air Alternating Seating Cushion

Active Air Alternating Seating Support

The Alliana Active Air Alternating Cushion is a battery-powered seating system for wheelchairs and mobile care environments. Its interconnected alternating air cell design helps redistribute pressure for users with lower limb immobility and those at risk of pressure injury in the Ischial Tuberosity and sacral regions.

Benefits



Clinical

- Greater off-loading through active air alternation
- Reduces Ischial Tuberosity and sacral loading
- Supports tissue reperfusion through cyclical therapy



Operational

- Bluetooth enabled mobile app and hand controller interface
- Up to 14 hours continuous battery life on single charge
- Three selectable therapy modes (Alternation, Pulsation, Static)



Financial

- 2-year warranty ensures long-term system value
- NDIS registered for accessible funding pathways
- Heavy-duty construction cuts maintenance costs



Labour

- Eliminates routine manual repositioning demands
- Portable lightweight system travels with patient
- Fewer manual adjustments required in daily care

Benefits

1. Active Pressure Redistribution

- Alternating seated pressure relief
- Reduces Ischial Tuberosity & sacral loading
- No routine manual repositioning required

2. Adaptive Therapy Flexibility

- Alternation, Pulsation, and Static modes
- Adapts dynamically to patient care needs
- Automatic static safety timeout mode

3. Simplified Pressure Care

- Reduced seating adjustments needed
- Continuity across daily care routines
- More efficient pressure relief delivery

4. Portable Power & Control

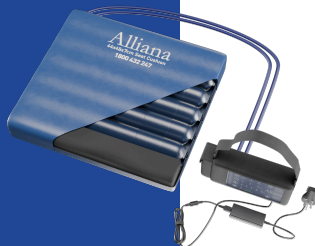
- Lithium-ion battery with up to 14-hour runtime
- Rapid ~4 hour recharge duration
- Bluetooth app and hand controller monitoring

5. Durable Construction

- 6 heavy-duty interconnected air cells
- Memory foam-encased design for stability
- Maximum user weight capacity of 130 kg

6. Built-In Safety & Stability

- Two-way stretch multi-elastic PU cover
- Zip-off cover design for rapid decontamination
- Fluid-resistant and antimicrobial materials



Specifications

Cushion Specifications

Order Code:	AA-SC-IH-ST-045-Tp1-ACT-CMP
Dimensions:	L 45 x W 44 x H 7.5 cm
Cell Type:	6 heavy-duty air cells
Top Cover:	Two-way stretch PU
Max User Weight:	130 kg

Control & Power

Control Interface:	Hand controller & Bluetooth app
Battery Life:	Up to 14 hours
Recharge Duration:	Approximately 4 hours
Therapy Modes:	Alternation /Pulsation /Static
Warranty:	2 years
ARTG:	175810

Seating Systems

Alliana Day Chair



Order Code :

AA-CH-1H-ST-051-68D-CMP



Alliana

Air Active Day Chair

Advanced Mattress-Level Therapy in a Mobile Seating System

The Alliana Mobile Day Chair combines full-length alternating air therapy with an adjustable seating system to support continuous pressure redistribution while seated and mobile. The system features integrated air cells across the seat and back, maintaining therapy during movement, transfer and repositioning.

Benefits



Clinical

- Continuous full-body seated pressure redistribution
- Full-length alternating air cells across seat and back
- Maintains full clinical therapy during transit and recline



Operational

- Integrated mobile battery delivers up to 2 days continuous runtime
- Remote therapy adjustment and monitoring via Bluetooth app
- Ultra-quiet daily operation suitable for busy clinical settings



Financial

- 2-in-1 chair & therapy reduces capital cost
- Durable build ensures extended facility lifecycle
- 2-year warranty on chair frame and control unit



Labour

- Openable side wings ease patient transfers
- Effortless recline (97°–136°) and leg adjustment
- Reduces manual handling burden for nursing staff

Benefits

1. Air Therapy Core

- Full-length alternating air cells
- Integrated seat and back active therapy
- Maintains full contact support during recline

2. Adjustable Chair Frame

- 97° – 136° reclining backrest range
- 0° – 17° seat tilt and 0° – 90° elevating leg rest
- Openable side wings for effortless transfer access

3. Bluetooth & Smart Control

- Chair-mounted control system
- Remote adjustment via mobile application
- Audio and visual alarms with tilt sensor

4. Mobile Power System

- Continuous active therapy during patient mobility
- Integrated high-capacity battery (up to 2 days)
- Wall charging system when stationed

5. Multi-Stretch PU Cover

- High-stretch bi-elastic PU coverlet
- Allows unrestricted air cell displacement
- Fully welded seams for maximum infection control

6. Standard & Premium Pumps

- Standard 6.5 L/min for home and community care
- Premium 10 L/min for clinical aged care management
- Available in Standard and Bariatric configurations



Specifications

Product Dimensions

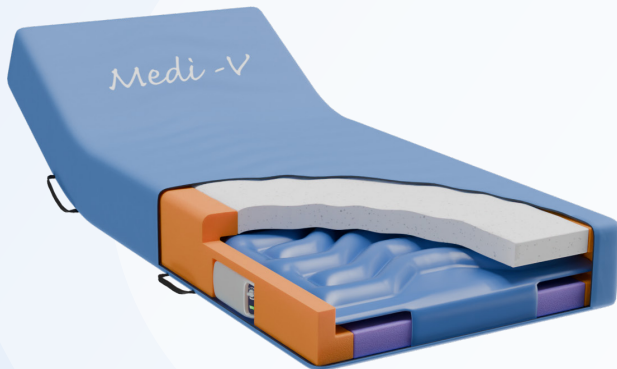
Standard Code:	AA-CH-1H-ST-051-68D-CMP
Premium Code:	AA-CH-1H-ST-051-NE7-CMP
Overall Dimensions:	H 1300 × W 710 × D 560 mm
Seat Dimensions:	H 700 × W 510 × D 560 mm
Unit Weight:	55 kg (without battery)
Safe Working Load:	150 kg

Chair Construction & Features

Backrest Recline:	97° – 136° reclining range
Seat Tilt Range:	0° – 17° tilt range
Leg Rest Support:	0° – 90° elevating support
Therapy Modes:	Therapy, Static (60m), Transfer (20m)
Alternating Cycle:	10 min default (15/20/25 select)
Warranty:	2 yrs (chair/unit), 1 yr battery

Low-Medium Risk

Medi-V



Order Code :
MV-1H-LS-090-MT



Medi-V

Integrated Mattress System

Cost-Effective 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.

Benefits



Clinical

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



Operational

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



Financial

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



Labour

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

Benefits

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

3. Multi-Layer Comfort System

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

4. Micro-Vibration Therapy

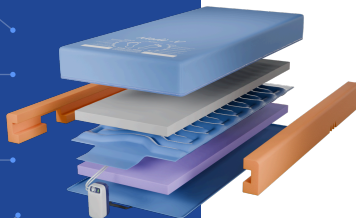
- Promotes lower limb circulation
- Supports circulation during limited mobility
- Designed for users with circulatory risk

5. Emergency Evacuation Handles

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

6. Heel Suspension System

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



Specifications

Control Unit

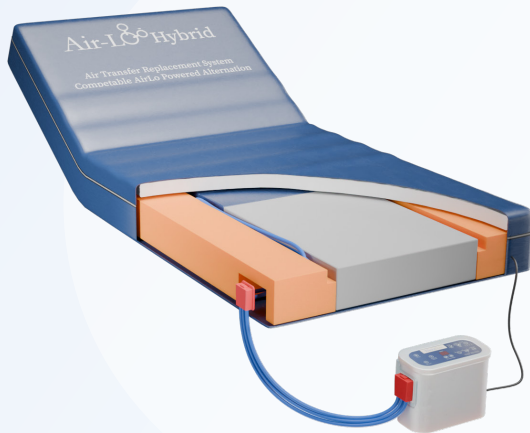
Dimensions:	24 × 9 × 12 cm
Weight:	4 kg
Mode of Operation:	Continuous
Power Rating:	240V 50Hz
Air Flow:	4.5 Litres per minute
Certification:	CE /C-Tick Listed IP21

Mattress Replacement

Order Code:	MV-1H-LS-090-MT
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 (1 in 2)
Infection Control:	Waterfall Flap
Base Attachment:	Gravity

Low-Medium Risk

AirLo Hybrid



Order Code :
HB-AL-1H-LS-090-MT



Air-Lo

Hybrid Mattress Replacement System

Adaptive Hybrid Pressure Care for Changing Needs

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.

Benefits



Clinical

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



Operational

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



Financial

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



Labour

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

Benefits

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

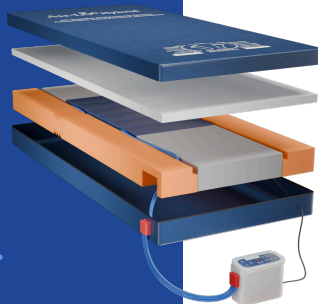
- Built-in heel slope promotes passive off-loading
- Side walls assist patient transfers
- Hygienic PU cover with zip closure

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 dynamically as patient risk levels change
- NDIS registered for eligible participants



Specifications

Control Unit

Dimensions (Compact):	W 24 × H 12 × D 9cm (2 kg)
Dimensions (Bluetooth):	W 27 × H 21 × D 10cm (2.5 kg)
Power Rating:	240V 50Hz 12VA
Air Flow:	10 Litres per minute
Transport Function:	Hose End Cap
Certification:	CE /C-Tick Listed N27882
Warranty:	2 Years Control unit / Soft Goods

Mattress Replacement

Order Code:	HB-AL-1H-LS-090-MT
Standard Dimensions:	L 200 × W 90 × H 15 cm
King Dimensions:	L 200 × W 107 × H 15 cm
Alternating Cell Type:	Single Chamber Pure TPU (14 cells)
Top Cover:	Dahlia Bi-Elastic 2-way stretch welded
Base:	Nylon TPU welded
Alternating Mode:	1 in 2 (10 minutes per alternation)

Medium-High Risk

Theraflow



Order Code :
TF-1H-LS-090-MT



Theraflow

Integrated Mattress System

Balanced Pressure Therapy with Enhanced Patient Comfort

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. Its robust construction makes it ideal across both acute and demanding aged care environments.

Benefits



Clinical

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



Operational

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



Financial

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



Labour

- Reduces routine manual repositioning demands
- Heel elevation eliminates separate off-loading
- Stable side support simplifies patient handling

Benefits

1. 1-in-3 Alternating Therapy

- Continuous support with 2/3 of cells inflated
- Smoother transition between alternating cycles
- Enhanced comfort during prolonged therapy

2. Full Mattress Replacement

- 21 cm cell depth provides complete support
- Dedicated cell zones target key pressure areas
- Supports patients up to 200 kg

3. Heel Elevation System

- Tapered heel cells off-load vulnerable tissue
- Reduces risk of heel pressure injuries
- Eliminates need for separate heel supports

4. Infection Control Construction

- Fully welded seams prevent fluid ingress
- Waterproof, vapour-permeable coverlet
- Easy-to-clean design supports hygiene protocols

5. Stable Transfer Support

- Firm perimeter cells support safer transfers
- Assists patient ingress and egress
- Reduces risk of edge roll-off

6. Quiet, Reliable Operation

- Ultra-low noise control unit for restful sleep
- Simple user interface with clear indicators
- Audible and visual alarms for patient safety



Specifications

Control Unit

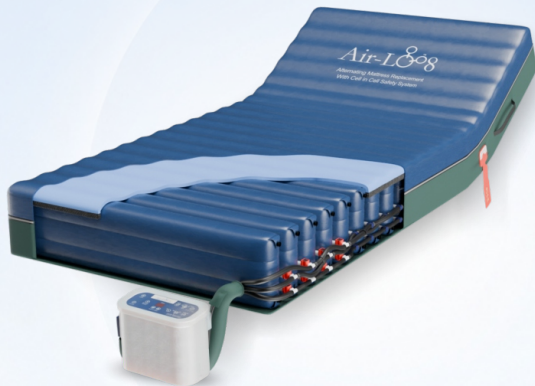
Dimensions:	W 28 × H 20 × D 11 cm
Weight:	2.8 kg
Mode of Operation:	Continuous (240V 50Hz)
Air Flow:	8 Litres per minute
Cycle Time:	12 minutes (1-in-3 alternation)
Warranty:	2 Years Control Unit

Mattress Replacement

Order Code:	TF-1H-LS-090-MT
Standard Dimensions:	L 200 × W 90 × H 21 cm
Cell Material:	Pure TPU cells
Top Cover:	Dahlia Bi-Elastic multi-stretch welded
Base:	Heavy-duty Nylon TPU welded
Safe Working Load:	200 kg
ARTG:	175810

Medium-High Risk

AirLo8



Order Code :

AL-08-1H-LS-090-HD7-CMP



Air-Lo 8

Air Alternating Mattress

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.

Benefits



Clinical

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



Operational

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



Financial

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



Labour

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

Benefits

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

3. Connected Monitoring & Diagnostics

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

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

6. Patented Hyper-Stretch Coverlet

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



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:

Smart Functions :

175810

- 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

Base:

stretch – welded

Cell Cycle:

Nylon TPU welded

Alternating Mode:

1 in 2.

Infection Control:

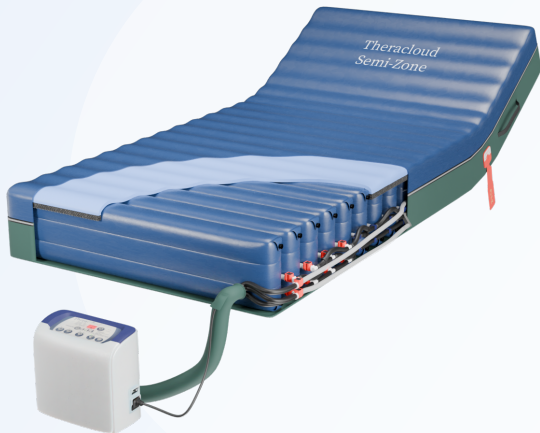
10 minutes per alternation

Mattress Attachment:

Welded Top Cover, Zip and
Base Adjustable Bed Frame
Straps

High-Acuity Risk

Theracloud Semi-zone



Order Code :

TC-SZ-1H-LS-090-MT



Theracloud

Semi-Zone Mattress System

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.

Benefits



Clinical

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



Operational

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



Financial

- Cost-effective care across long admissions
- ARTG registered and NDIS compatible
- 2-year warranty on control unit and soft goods



Labour

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

Benefits

1. Sacral Air Injection & Containment

- Dynamic sacral pressure redistribution
- Dual non-powered boundary cells prevent migration
- Maintains effective sacral unloading during turns

2. Dual-Zone Therapy System

- Independent head, sacral, and heel management
- Restriction valves maintain cell pressure gradient
- Delivers targeted therapy across high-risk zones

3. High-Flow 18L Control Unit

- Powerful 18 L/min blower motor for rapid inflation
- Continuous digital pressure sensing and regulation
- Ultra-quiet operation suitable for acute wards

4. Cell-in-Cell Safety System

- Inner safety cell provides 24-hour bottom-out protection
- Retains support during power disruption
- Eliminates need for additional under-mattress foam

5. Smart Bluetooth Connectivity

- Real-time wireless monitoring via mobile application
- Remote therapy selection and diagnostic reporting
- Automatic audible and visual safety alarm system

6. Infection Control & Evacuation

- Dahlia multi-stretch bi-elastic welded coverlet
- Rapid CPR deflation tag for emergency protocols
- Heavy-duty evacuation handles for safe transit



Specifications

Control Unit

Dimensions:	W 32 × H 24 × D 13 cm (3.5 kg)
Mode of Operation:	Continuous (240V 50Hz)
Motor / Air Flow:	High-capacity 18 Litres per minute
Cycle Modes:	Alternating (10/15/20/25 min). Static, Care
Connectivity:	Bluetooth wireless monitoring
Certification:	CE /C-Tick Listed N27882
Warranty:	2 Years Control Unit & Soft Goods

Mattress Replacement

Order Code:	TC-SZ-1H-LS-090-MT
Standard Dimensions:	L 200 × W 90 × H 21 cm
King Dimensions:	L 200 × W 107 × H 21 cm
Cell Architecture:	Cell-in-Cell TPU with Restriction Valves
Top Cover:	Dahlia Bi-Elastic 2-way stretch welded
Base:	Heavy-duty Nylon TPU welded with Evac Handles
Safe Working Load:	250 kg
Compliance:	ARTG 175810, NDIS Compatible



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Unit C2, 15 Narabang Way Belrose,
Sydney NSW 2085

☎ 1800 432 247

✉ service@patientsupportsystems.com

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