midmed
providing positive solutions

PRESSURE RELIEVING DEVICES

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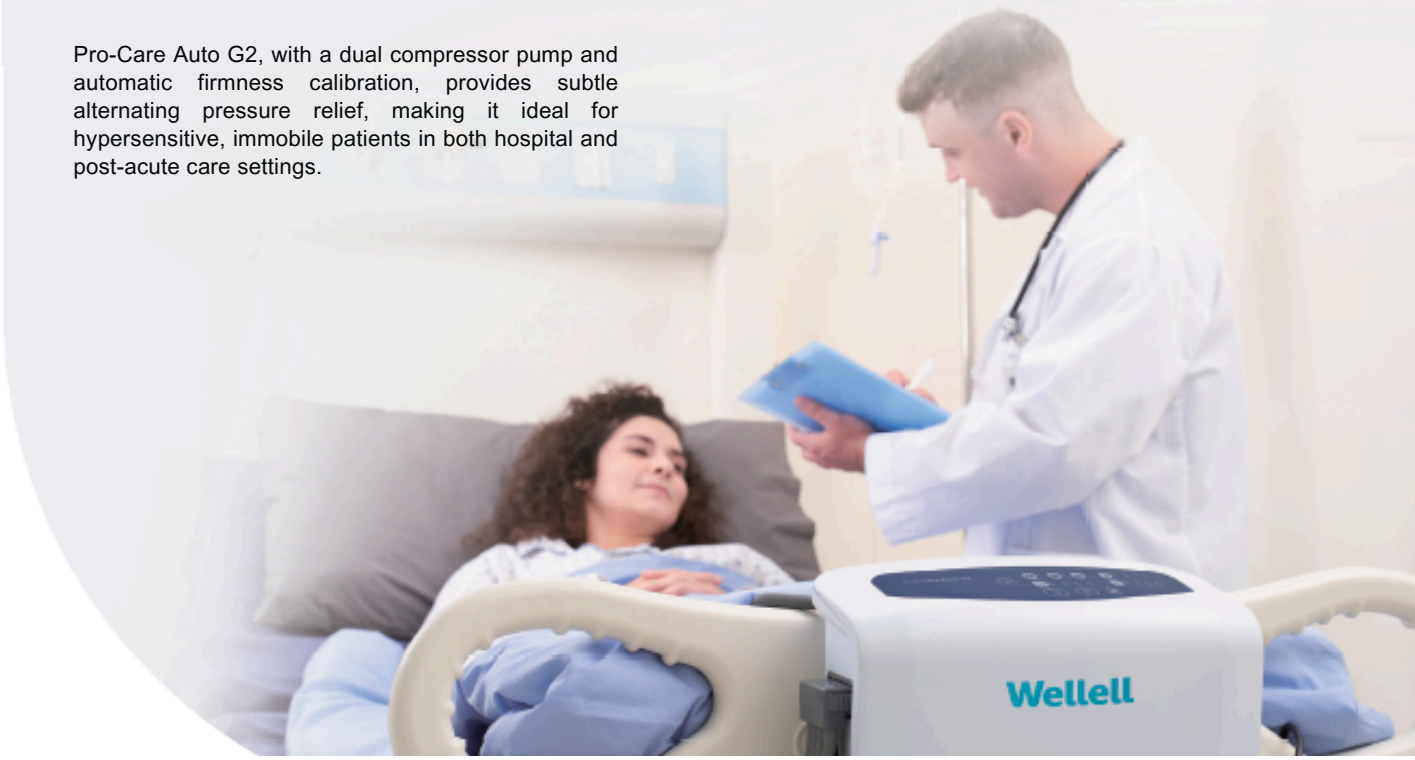
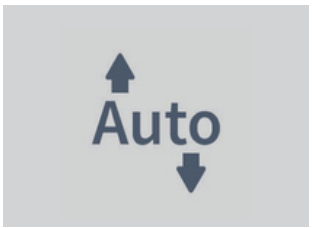
Pro-Care Auto

Inflating quickly to optimize pressure relief for sensitive patients

Pressure injury management often includes the use of powered alternating pressure air mattresses and overlays, which can be noisy and generate heat or motion, leading to discomfort. Clinical guide- lines stress the importance of patient comfort in pressure injury care. If a patient is uncomfortable, consider switching to a specialty support surface.

Pro-Care Auto G2, with a dual compressor pump and automatic firmness calibration, provides subtle alternating pressure relief, making it ideal for hypersensitive, immobile patients in both hospital and post-acute care settings.

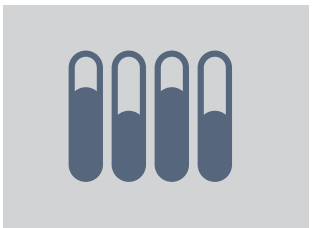




Enhance Care Process
Automatically adjusts to the most optimal pressure for the patient, ensuring both clinical effectiveness and cost efficiency.

Quick Inflation
Dual compressors inflate the mattress in 20 minutes, operating interchangeably to extend lifespan and ensure effective pressure relief.

Quiet Operation
Low noise disturbance ensures patients can rest comfortably.



Specially Designed for Sensitive Patients
Alternating Low Pressure Mode (ALP) helps to ensure consis- tent pressure relief care, and comfort by reducing pressure during alternating cycles.

Pro-Care Auto

Pressure injury prevention solution for post-acute care

CPR Knob
Quickly deflate the mattress for emergencies.

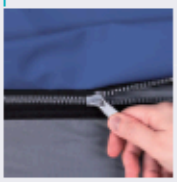
Special Design of Air Cells
Cell-on-cell design for continuous pressure support even during power failure.

Protect Vulnerable Heels
The individual air cell can be easily removed achieve zero pressure, preventing heel pressure injuries.

Customized Firmness for Comfort
Tuning function improve patient comfort by manually micro-adjust mattress firmness.

Quick Connector with Cap
Mattress can be transformed from a powered support surface to a sealed static air mattress for transportation need.

4-Way Stretch Top Cover
Offering low shear, low friction, vapor permeability, and moisture protection, coupled with optimal immersion and envelopment .



Decreases the Risks of Infection
The top cover is made with welded seams(high frequency Induction hardening ®) to avoid fluid ingression.

Specifications		Optima Turn			
Pump		Dimension	34.1 x 16.5 x 26.0 cm ; 13.4 x 6.5 x 10.2 in		
		Weight	4.5 kg / 9.9 lbs		
		Case Material	Fire Retardant ABS		
		Supply Voltage	230 V / 50 Hz		
		Operating Cycle	10 / 15 / 20 / 25 minutes		
Mattress		Dimension	Cells	Length	Width	Height
			20	200cm(78.7 in)	85-90cm(33.4-35.4 in)	13-25cm(5-10 in)
		Type	Replacement			
		Weight	12.5 kg / 27.5 lbs			
		Top Cover Material	4-way stretch PU, polyester cover with welded seams			
		Cell Material	TPU			
		Maximum Patient Weight	180 kg / 379 lbs			

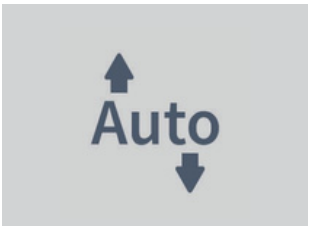
Pump: water resistant standards (IP21); Mattress: flame retardant standards (EN597-1, EN597-2), RoHS, WEEE

Pro-Care Auto Bariatric

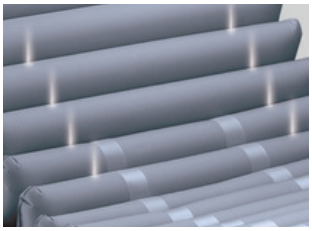
Optimizing bariatric pressure injury prevention while ensuring comfort

Approximately 26% of bariatric patients develop pressure injuries due to increase shear, friction, and difficulty in redistributing pressure. It is essential for these patients to choose seating support surfaces that maintain firmness under substantial pressure. Proper skin microclimate management helps maintain skin structure and function, enhancing pressure tolerance and preventing both superficial and deep tissue injuries.

Pro-care Auto Bariatric enhances caregivers workflow efficiency, accuracy, and injury risk management for bariatric care (up to 450kg) by automating mattress firmness for optimal pressure relief. It is structurally enhanced air cell design prevents bottoming out during sitting ensuring better support and safety



Enhance Care Process
Automatically adjusts to the most optimal pressure for the patient, ensuring both clinical effectiveness and cost efficiency.



Microclimate Management
Micro low air loss effectively wicks away moisture from the surface, leading to a more comfortable experience

Extra protection with Sacral Area Cushioning
Sacral area combines pressure-adjustable air cells with a layer of rigid air cells, ensuring constant protection and comfort during sitting.

Protect Vulnerable Heels
The individual air cell can be easily removed achieve zero pressure, preventing heel pressure injuries.

Pro-Care Auto Bariatric

Design for Bariatric Pressure Injury Prevention

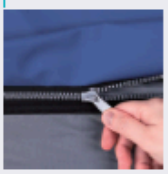
CPR Knob
Quickly deflate the mattress for emergencies.

Special Design of Air Cells
Cell-on-cell air designs ensure continuous pressure support and comfort, avoiding bottoming out even during power failures.

Customized Firmness for Comfort
Tuning function improve patient comfort by manually micro-adjust mattress firmness.

Quick Inflation
Dual compressors inflate the mattress in 20 minutes, operating interchangeably to extend lifespan and ensure effective pressure relief.

4-Way Stretch Top Cover
Offering low shear, low friction, vapor permeability, and moisture protection, coupled with optimal immersion and envelopment .



Decreases the Risks of Infection
The top cover is made with welded seams(high frequency Induction hardening ®) to avoid fluid ingression.

Quiet Operation
Low noise disturbance ensures patients can rest comfortably.

Specifications	Pro-care Auto Bariatric				
Pump	Dimension	34.0 x 13.5 x 20.5 cm (13.4 x 5.3 x 8 in)			
	Weight	3.8 kg (8.4 lb)			
	Supply voltage	220 - 240 V / 50 - 60 Hz			
	Therapy mode	Max firm/ Alternating/ Continuous Low Pressure/ Alternating Low Pressure			
	Noise Level	< 26 dB			
Mattress	Dimension	Cells	Length	Width	Height
		20	200 cm (78.7 in)	107-122 cm (42.1- 48 in)	20.3cm (8 in)
	Type	8"/ Replacement			
	Weight	13 kg (28.6 lb)			
	Top cover material	Nylon / PU, Poly / PU			
	Cell material	TPU			
	Maximum patient weight	450 kg (990 lb)			

Optima Turn

Reducing patient handling complexity and pressure injury risks.

8.5% of acute and post-acute adult patients develop hospital-acquired pressure injuries (PI), with 5.4 incidences per 10,000 patients per day. Over half of all PI incidences are within Stage I and Stage II severity and primarily affect the sacrum, heels, and hips (in prevalence order). PI significantly increases inpatient mortality and length of hospital stay by 7 to 11.2 days.

Rotating patients in a 30° lateral position every 4 hours on an alternating pressure mattress reduces pressure injury incidences by 85% and labor-intensity for caregivers and improves patient comfort - and cost-efficiency

Optima Turn is a pressure-reducing support surface solution that improves patient handling efficiency, pressure injury prevention, and patient care delivery and outcome for inpatients.

Automatic 30° Lateral Turning
Click-to-activate turning angle, direction, and therapy timer minimise labour requirement for patient repositioning, protect the caregiver from potential injuries, and allow more time and energy to adjust the patient for maximum comfort.

Continuous Surface Pressure Relief
Seamless transition between supine and lateral repositioning with alternating pressure paired with firm side bolsters provide maximum patient comfort and security. Seat inflation modes ensure patients stay comfortable and supported when active.

Personalise Heel Relief Care
Accommodate pressure relief care for different body types by deflating individual air cells at the heels for maintaining zero-pressure heel relief, minimising the patient's risk of developing pressure injuries and prolonging the length of treatment.

Instant Access to Patient Comfort
Pump's intuitive interface improves patient care by easily customising therapy with pressure settings, turning angles, rotating directions, therapy and dwell timer, alarms, troubleshooting, and rotational pause to halt repositioning operation.

Clinical Benefits

The benefit of routinely rotating the inpatient between 30° lateral positions on each side reduces the incidence of pressure injuries compared to the conventional 90° lateral position.

The heel (calcaneus) is vulnerable to pressure injuries due to withstanding high pressure across a small surface area with thin tissue layering for protection. Elevating or suspending inpatients' heels to create a zero-pressure zone reduces pressure injury risk significantly.

The side bolster has a lower border design in the middle section. This is to create a space for sorting the drainage tubes (especially for ICU patients) and to prevent the chances to occur reflux issues. Also, the side bolster has its own deflation knob to improve the process for handling patient transfer.

Specifications		Procare Auto G2			
Pump		Dimension	34.0 x 13.5 x 20.5 cm (13.4 x 5.3 x 8 in)		
		Weight	3.8 kg (8.4 lb)		
		Supply voltage	220 - 240 V / 50 - 60 Hz		
		Therapy mode	Max firm / Alternating / Continuous Low Pressure / Alternating Low Pressure		
		Noise Level	< 26 dB		
		Dimension	Cells	Length	Width	Height
			17 - 22	200 - 220 cm (78.7 - 86.6 in)	75 - 100 cm (29.5 - 39.3 in)	12.7 - 20.3 cm (5 - 8 in)
		Type	5"+3" foam or 8" / Replacement			
		Weight	5.9 - 10 kg (13 - 22 lb)			
		Top cover material	Nylon / PU, Poly / PU			
		Cell material	TPU			
		Maximum patient weight	200 - 250 kg (440 - 550 lb)			

Optima Prone

Reducing prone position ventilation workflow complexity and pressure injury risks

The prone position is commonly used to treat ARDS patients, but it increases the risk of pressure injuries (PI) and can add 3 hospital days to treat PI-related complications on top of the 5 hospital days for proning, significantly reducing the nurse-to-patient ratio. Prone positioning procedure is labour intensive and complex, requiring a team of 5 caregivers to complete supine and prone maneuvers and a team of 3 to reposition the patients head every 2 hours, with therapy lasting 12 to 16 hours.

Optima Prone is a specialized pressure-reducing support surface solution designed to effectively prevent pressure injuries, optimize workflow, reduce clinical workload, and improve patient outcome in prone position ventilation.

Simplify Head Repositioning
One person can complete head repositioning alone. Supporting the shoulder mechanically while creating space for the chin reduces the caregiver's workload and minimizes the risk of obstructing airway tubing.

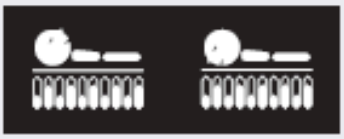
Control Individual Air Cell Firmness
Mattress knobs allow caregivers to adjust cell inflation for targeted pressure relief and injury prevention in vulnerable areas.

Shoulder lifting Mode
To relieve muscle hyperextension and stress in the shoulder area, two angles are available for adjustment.

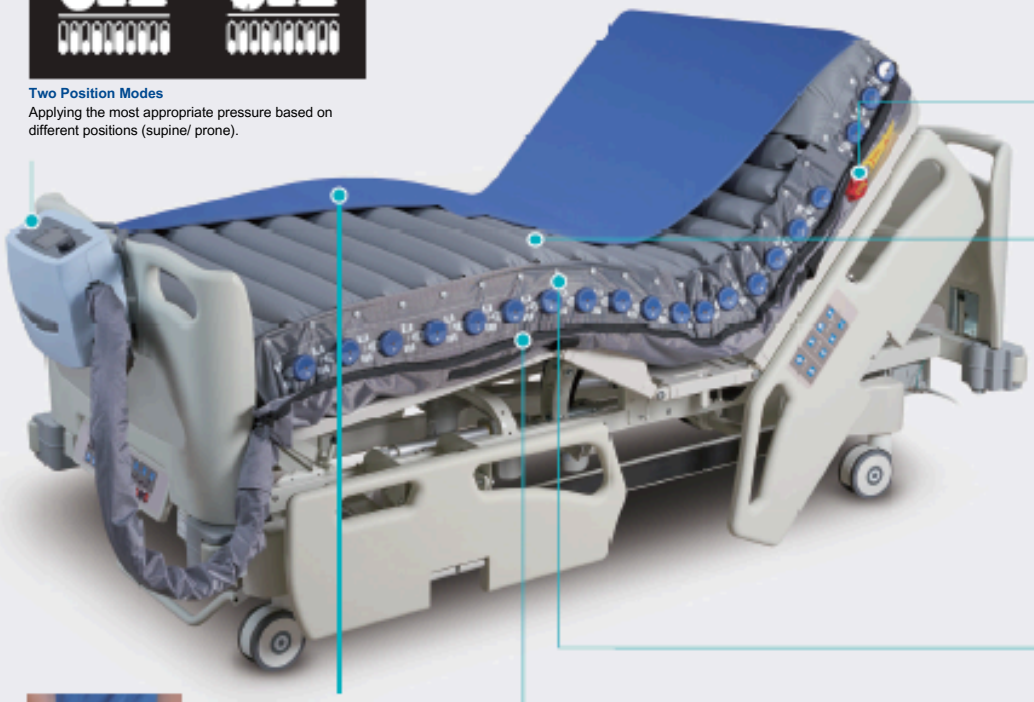
Protect Patients Face and Ear
Mattress knobs allow caregivers to adjust cell inflation for targeted pressure relief and injury prevention in vulnerable areas.

Optima Prone

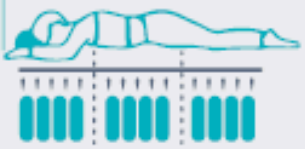
Prone Position Pressure Injury Solution



Two Position Modes
Applying the most appropriate pressure based on different positions (supine/ prone).



CPR Knob
Quickly deflate the mattress for emergencies.



Multi-Zone Air Pressure
Customizable pressure distribution across the support surface adapts to patient contours.

4-Way Stretch Top Cover
Offering low shear, low friction, vapor permeability, and moisture protection, coupled with optimal immersion and envelopment .

Decreases the Risks of Infection
The top cover is made with welded seams(high frequency Induction hardening ®) to avoid fluid ingression.

Proper Tubing Organization
Customizable airflow in individual air cells enables caregivers to adjust for proper tubing management.

Specifications	Optima Prone				
Pump					
	Dimension	34.1 x 16.5 x 26 cm (13.4 x 6.5 x 10.2 in)			
	Weight	5.5 kg (12.1 lb)			
	Supply voltage	120 – 230 V / 50-60 Hz			
	Therapy mode	Max firm / Alternating / Continuous Low Pressure / Seat inflation(Automatic) / Position Mode			
	Noise Level	< 37 dB			
	Dimension	Cells	Length	Width	Height
		21	200 cm (78.7 in)	80-90 cm (31.5 – 35.4 in)	20.3 cm (8 in)
	Type	8" / Replacement			
	Weight	14 kg (30.8 lb)			
	Top cover material	Poly / PU			
	Cell material	TPU			
	Maximum patient weight	250 kg (550 lb)			

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