

OSKA ARIA+ MATTRESS CLINICAL JUSTIFICATION

FEATURE	CLINICAL BENEFIT/JUSTIFICATION
Hybrid Foam/air mattress composition and structure	<p>Foam head cells:</p> <p>Prevents the discomfort associated with alternating motion such as feelings of motion sickness, ensuring a stable and motionless surface for user's head. This stability not only addresses potential discomfort but also enhances overall user experience by providing a consistent and comfortable surface for the head. The absence of alternating motion contributes to improved sleep quality, promoting a restful and undisturbed sleep environment.</p> <p>Transverse air cells:</p> <p>5 Pairs of air cells, each with a unique foam profiled insert. These cells provide pressure relief and with the addition of a pump will alternate to redistribute pressure to prevent pressure injuries. Cells are arranged into alternate pairs of A and B cells which inflate and deflate in sequence in a 1:2 cell configuration.</p> <p>Foam U Core:</p> <p>Encases the air cells, providing structure and stability</p>
Aerolite Foam	<p>Responsive foam with microclimate properties which allows air to flow through the foam keeping the body cool and dry. Good microclimate management is important in preventing pressure injuries from forming.</p> <p>This foam makes up the top pressure relieving layer and Zone Zero feature/Offloader feature where the foam can be folded back onto itself to offload the heels completely.</p> <p>This technology has been designed to allow air to flow through the foam to ensure the body stays cool and dry. The microclimate properties of this foam are vital, as the body maintains a cooler temperature, this prevents sweating and notably reduces the occurrence of pressure injuries.</p>
Heel relief slope	<p>The heel relief slope feature in the OSKA mattress is specifically engineered to alleviate pressure on the heels by redistributing weight towards the calves, where a larger surface area can safely absorb it. This design consideration significantly reduces the risk of pressure ulcers, a common concern for patients with limited mobility. The slope's length and angle are meticulously tailored to accommodate a wide range of patient heights, ensuring optimal placement and effectiveness. By preventing excessive pressure on the heels, this feature plays a crucial role in enhancing user comfort and safety.</p>
Offloader™	<p>The OFFLOADER™ feature is a critical tool in both preventing and treating heel wounds, even up to category 4 severity. By suspending the heel to create a 'zero pressure' environment, it not only promotes increased blood flow to the area, crucial for healing, but also facilitates essential care practices such as inspection, cleaning, and dressing of the wound. Its adjustability ensures personalised positioning for each user, making it a versatile and indispensable aid in enhancing pressure care and comfort.</p>
Fire Evacuation Base	<p>The Fire Evacuation Base is an essential safety feature, enabling quick and secure transportation of both the mattress and its occupant during emergencies. With integrated straps and handles, this design is particularly suited for hospital and aged care environments, ensuring rapid response capabilities without compromising user security or comfort.</p>
Pumpless self-adjusting air mattress	<p>The Aria+ can be a Pumpless Self-Adjusting Air Mattress which offers superior pressure redistribution by continuously adapting to a user's body weight and movements, ensuring optimal pressure care. Its design is especially effective for preventing and treating pressure injuries up to category 2, and with diligent repositioning, it can also support category 3 wound management. The core feature of self-alternating cells enhances pressure redistribution across critical areas, making it an ideal choice for maintaining skin integrity.</p>

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Side wall support	<p>Improved bed mobility with getting in and out of bed and performing transfers as it is a more stable surface therefore preventing falls. Increased bed edge awareness helps prevent falls. The firm side wall can also be a tactile cue for users with low vision as it helps them define the bed borders.</p> <p>The supportive foam edges supply accelerated balance and comfort for the consumer. That is critical for transfers on and away from bed, making an allowance for simpler mobility. The firmer surround additionally facilitates to lessen disorientation through supplying further guide and stability whilst sitting or getting off the edge of the mattress.</p>
Anti-shear design	Designed to significantly reduce shear and friction which often leads to tissue damage. The base foam remains in position on the bed frame, whilst the top moves with the user.
CPR Valve	Rapidly deflate air from the mattress for readiness for transport/ static mode. In event of clinical emergency to perform resuscitation procedures. Manually operated red button to release connector locking system and once removed will deflate air mattress system back to static foam mattress.
SWL up to 230 kg (without pump) and up to 250 kg (with pump)	The mattress accommodates a wide range of weights, supporting up to 230 kg when used without the pump and up to 250 kg with the pump, making it suitable for bariatric clients.
All component parts are interchangeable and replaceable	The design of the mattress ensures that all its components are interchangeable and replaceable, extending its lifespan and minimising environmental impact by reducing the need for complete product replacement.
Static Mode	By disconnecting the Aria+ from the digital pump it can be used as a static mattress in instances where clients do not require alternating therapy and perhaps cannot tolerate it. Static mode is also beneficial during care activities such as transfers, dressing changes, repositioning, wound care and personal care routines.
Alternating Mode	Provides dynamic pressure relief. Mattress periodically redistributes pressure to protect vulnerable areas by alternately inflating and deflating cells beneath the client. This dynamic action helps prevent the development of pressure injuries and maintains client comfort.
Powered and non-powered	Option to purchase a pump when the client develops a pressure injury. This adaptability is particularly valuable for clients with progressive conditions, accommodating fluctuations in mobility and risk levels for pressure injuries.

OSKA ARIA+ COVER CLINICAL JUSTIFICATION

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Multiway stretch	<p>A multiway stretch cover is designed to address the hammocking effect, ensuring that the pressure-relieving and redistribution properties of the mattress are preserved. The cover's ability to stretch in multiple directions (four ways) aligns with the dynamic movements of the human body, allowing the material to conform and adapt as needed. This flexibility is crucial because if the cover is too tight, it can create a hammocking effect and result in material tension, diminishing the mattress's pressure-relieving capabilities. By avoiding this tension and maintaining optimal stretch, the multiway stretch cover contributes to lower interface pressure, enhancing the overall comfort and support provided by the mattress. The emphasis on flexibility and conformity in the cover's design is instrumental in promoting an effective and responsive pressure management system.</p>
Waterfall flap	<p>The inclusion of a waterfall flap serves dual purposes, primarily focusing on infection control and extending product longevity. This design feature provides a protective barrier against fluid ingress, particularly through zippers, enhancing the overall infection control measures of the product. By preventing contaminants and fluids from entering through vulnerable points like zippers, the waterfall flap contributes to maintaining a hygienic environment.</p> <p>Simultaneously, this protective design also acts as a barrier against potential damage caused by fluid exposure, increasing the overall longevity of the product. By safeguarding against the negative effects of moisture and contaminants, the waterfall flap ensures that the product remains resilient over time, reducing the risk of wear and tear.</p>
4-sided zipper	<p>This zipper configuration allows for easy removal of the cover, facilitating the inspection of the mattress and enabling machine washing. The ability to machine wash the cover provides an effective means of ensuring the mattress is free from contaminants, promoting a hygienic environment.</p> <p>Moreover, the 4-sided zipper design minimizes the risk of particle buildup that could compromise the integrity of the cover surface. By allowing thorough inspection and machine washing, this feature contributes to maintaining a clean and uncontaminated surface, thus enhancing infection control practices.</p>
Buckle Straps	<p>Buckle straps are employed to securely fasten the mattress to the bed frame, providing stability and preventing shifting or displacement. This feature ensures that the mattress remains in place, enhancing user safety and comfort during use. The buckle straps function as a reliable mechanism for securing the mattress, offering a practical solution to maintain proper alignment and support within the bed frame.</p>
V-Guard Technology	
Vapour permeable	<p>The vapour permeable feature in a mattress is designed to facilitate the passage of vapour, promoting free airflow for breathability, and preventing the buildup of temperature and moisture against the user's skin. This permeability is quantified through the Moisture Vapour Transmission Rate (MVTR). By wicking away moisture from the user's skin and reducing heat, this characteristic contributes to improved microclimate management, creating a more comfortable environment. Microclimate management plays a key role in reducing the risk of pressure injuries.</p> <p>Furthermore, the bi-elastic PU/polyester coating enhances this by allowing interface movement, lowering the risk of shear damage, friction, and helping disperse moisture. Ultimately, the vapour permeable feature not only addresses the reduction of pressure injury risks but also enhances user compliance and overall experience by promoting a breathable and comfortable sleep surface.</p>
Moisture impermeable WPR >5m (Water penetration resistance)	<p>The cover has an effective barrier against fluid ingress. This resistance ensures that moisture particles are prevented from penetrating the surface, allowing them to remain on the exterior where they can be easily wiped away or cleaned. The material strikes a balance between having fibres wide enough for breathability and small enough to prevent liquid ingress. This design minimizes the risk of strikethrough when the product is used, cared for, and maintained correctly.</p> <p>This significantly contributes to infection control and enhances the product's longevity. By providing a resilient barrier against fluid ingress, the material promotes a hygienic environment and safeguards the product from potential damage caused by exposure to moisture.</p>

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Autoclave resistant	<p>Autoclave resistance denotes the capability to withstand steam sterilisation, one of the most rigorous and commonly utilised methods for sterilising medical devices. This attribute is pivotal for ensuring thorough sterilisation and maintaining the integrity of the product through repeated autoclaving processes.</p> <p>Beyond its technical significance, autoclave resistance significantly contributes to infection control measures and enhances the overall longevity of the product. By withstanding steam sterilisation, the material supports a hygienic environment and extends the product's usable life, making it a robust and durable option for medical applications.</p>
Antibacterial and Antifungal treated	<p>The antibacterial and antifungal treatment is a key element for infection control. This treatment serves to inhibit the growth of bacteria and fungi, minimising the risk of microbial contamination. By incorporating these protective features, the product becomes an effective barrier against harmful pathogens, enhancing its role in maintaining a hygienic environment. This treatment contributes significantly to infection control practices, promoting a safer and more sterile setting for medical applications.</p>
Wipeable Washable to 95°C Dry cleanable Resistance to active chlorine <10 000 ppm concentration	<p>The product is designed to be easily maintained with its wipeable and washable features, accommodating various cleaning methods. It can be washed at temperatures up to 95°C, making it suitable for machine washing and dry cleaning. With resistance to active chlorine at concentrations below 10,000 ppm, it tolerates disinfection chemical wiping, further promoting decontamination and cleaning processes. These attributes contribute significantly to infection control measures and increase the product's longevity.</p> <p>For routine cleaning, a simple wipe down with warm water and mild detergent is recommended, ensuring a convenient and effective approach to maintaining hygiene and cleanliness.</p>
Low friction fabric Anti-decubitus	<p>The fabric minimises local shear and strain on the skin during user movement and repositioning by incorporating a smooth fabric with multi-directional stretch. It strikes a delicate balance, providing enough friction to prevent excessive sliding in the fowler position while ensuring quietness and comfort.</p> <p>Moreover, the mattress is anti-decubitus, meaning it helps prevent the onset of wounds resulting from friction or rubbing. This feature is crucial for avoiding excessive skin crushing during extended hospital stays, preventing the occlusion of subcutaneous capillaries that could lead to conditions such as oedema or necrosis.</p> <p>These attributes collectively contribute to the reduction of pressure injury risk, enhancing overall user compliance and improving the user experience.</p>
High Frequency (HF) Welded seams	<p>Unlike regular sewn seams that inherently provide spaces for bacteria to accumulate, HF Welded seams are created by melting or welding materials together using high-frequency vibrations. This process ensures that there are no holes or gaps in the seams, leaving no avenues for bacteria to infiltrate or proliferate. By eliminating potential breeding grounds for bacteria, HF Welded seams play a crucial role in reducing the risk of infection spread.</p>
Meets latest legislative requirements	<p>The product adheres to the latest legislative requirements, being DecaBDE and Halogen-free, compliant with Reach and ROHS standards. Additionally, it meets the standards of the Biocidal Products Regulation. The flame-retardant cover enhances safety by mitigating the risk of fire. This comprehensive compliance ensures that the product aligns with current regulations, emphasising environmental responsibility, safety, and health standards.</p>

OSKA ARIA PUMP CLINICAL JUSTIFICATION

FEATURE	CLINICAL BENEFIT/JUSTIFICATION
Pumpless Self-adjusting air mattress	<p>Adjusts to user's weight every time they get on the mattress. The non alternating air feature of the ARIA which continues to provide a high level of pressure care is often an appropriate option for people who find an alternating air mattress uncomfortable and clinically can tolerate this firmer form of pressure relief.</p> <p>The ARIA's pumpless self-adjusting air mattress is designed to automatically adapt to the user's weight and position, providing consistent pressure care without the need for alternating air adjustments. This feature is particularly suited for individuals who find an alternating air mattress uncomfortable and prefer a more stable support surface and can clinically benefit from a firmer form of pressure relief, offering an optimal blend of comfort and therapeutic benefit.</p>
Pump	<p>What makes the Aria+ pump unique, is its advanced body responsiveness. The Auto-Intelligent Technology responds swiftly to any movement, adjusting the mattress pressure for immediate user comfort. This advanced responsiveness makes the pump especially suitable for both individual and hospital settings, offering a blend of rapid comfort adjustment and consistent pressure management that aligns with the needs of a modern healthcare environment.</p>
Warning Modes	<p>The ARIA+ mattress features an advanced warning system with visual and audible alerts to ensure optimal safety and performance. It includes low- and high-pressure alarms, alerting users to potential issues with mattress pressure that may affect comfort or therapeutic effectiveness. Additionally, a system failure warning indicates more serious operational issues. These warning modes are crucial for maintaining the integrity of the mattress system and ensuring patient safety, providing caregivers and users with immediate feedback to address any concerns promptly.</p>
Pressure settings	<p>Easy to use button to change from low to high pressure setting, while staying with on a low interface pressure which is below 30 mmHg. LED that denotes which pressure setting is selected.</p>
Power Switch Audible Warning Reset	<p>Can easily be silenced and reset by switching pump on and off again.</p>
Whisper quiet pump/ Sound and Vibration protection 25dB	<p>The whisper-quiet operation of the pump is particularly advantageous for clients on long-term use, promoting enhanced relaxation and improved sleep quality. This not only reduces stress for clients but also creates a more tranquil healthcare environment, conducive to both recovery and focused care delivery. The innovative hibernation feature further adds to these benefits by automatically switching off the pump when optimal pressure is achieved, minimising disruptions, and ensuring a seamless, unobtrusive user experience. With a noise level as low as 25dB, the mattress prioritises client comfort, supports restorative sleep, and aligns with a client-centred approach to care.</p>

NDIS SPECIFIC CONSIDERATIONS

ANTICIPATED FUNCTIONAL OUTCOMES	CLINICAL JUSTIFICATION
Facilitate social participation	<p>Improved sleep quality and comfort lead to enhanced alertness and mood, fostering more meaningful social interactions. A systematic review highlighted in Sleep Medicine Reviews, conducted by researchers from the University of Michigan, University of California, Berkeley, and the Foster School of Business at the University of Washington, emphasizes the significant interconnection between sleep and social relationships. Findings consistently suggest that sleep quality can impact social bonds and social participation.</p> <p>Additionally, the mattress's quiet pump technology minimizes disruptions, aiding concentration in social interactions and creating a peaceful environment in shared spaces, beneficial for both users and caregivers.</p>
Activity engagement	<p>By simply disconnecting the mattress from the pump the mattress will become a static mattress and therefore Static mode is not required on the pump for patient transfers. The Aria also has the firm mattress offers a stable and supportive surface for activities like transfers, dressing changes, and wound care. This stability not only ensures safety during care routines but also supports rehabilitation exercises, aiding in mobility and strength recovery. It aligns with goals such as fostering independence and enhancing functional capacity. Additionally, the mattress helps prevent pressure ulcers and manage pain, reducing secondary complications from immobility and enabling uninterrupted participation in daily and therapeutic activities.</p>
Injury prevention	<p>The Aria is designed to prevent pressure ulcers in users who are at high risk of developing pressure ulcers or have a history of pressure ulcers. Without the pump it provides pressure care for pressure ulcers in category 1-2. The addition of the pump enables increased pressure care for treating pressure injuries up to category 4.</p> <p>The heel relief slope and Offloader allows the heels to be completely offloaded to prevent pressure injuries on the heels and allows space for carers to position a mirror underneath the heels to inspect for the formation of pressure injuries and to provide wound care.</p> <p>The evacuation base also allows for someone to be transported quickly and easily in the event of a fire which also prevents injury to the user.</p> <p>The firm sidewall aids in preventing falls as it provides a stable base for transfers and gives clearly defined tactile borders for user with low vision or confusion and could aid in preventing falls.</p>
Capacity to remain in own home	<p>The Aria+ minimises the risk of pressure injury formation, which not only enhances the comfort and safety of users in their own homes but also significantly reduces the likelihood of hospital readmissions and the need for additional medical interventions.</p> <p>By preventing pressure injuries, it reduces the care needs of the user and therefore prevents caregiver burden and the need for the user to be cared for in a facility and they can rather be cared for at home. If the user does develop pressure injuries the pump can be added, and the user can receive alternating therapy from the comfort of their home. The pump is user friendly and easy to use which also empowers users to be cared for in their own home by their family and/or carers.</p>
Promote independence	<p>The ease of use of the Aria+ digital pump and the simplicity of adjusting settings contribute to the independence of users and caregivers in managing the support surface.</p> <p>With the addition of the pump, the mattress's alternating pressure system minimises the frequency of manual repositioning by caregivers. This feature allows users to maintain a level of autonomy in managing their positioning and comfort, reducing their dependency on others for such adjustments.</p> <p>Good sleep is crucial for cognitive function, mood regulation, and overall health. By providing a comfortable sleeping environment and reducing pain and discomfort, the OSKA Aria mattress can improve sleep quality, which in turn supports the user's daily functioning and independence.</p>

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ANTICIPATED FUNCTIONAL OUTCOMES	CLINICAL JUSTIFICATION
Compatible with other AT/supports	<p>Aria mattress is designed to work seamlessly with profiling beds like the Empresa bed, enhancing its pressure management capabilities. This synergy between the mattress and the profiling bed results in more effective pressure care. Additionally, the Aria mattress's availability in both single and king single sizes ensures it fits well with standard bed sizes, providing flexibility and compatibility with various bed types.</p>
Support Capacity building	<p>Ease of using the fully digital pump allows for carers and clients to easily be trained to use the mattress and pump without requiring additional support and therefore have greater independence.</p> <p>Improved sleep quality directly impacts overall health, including mental and emotional well-being. Well-rested individuals are more likely to have the energy and cognitive ability to engage in capacity-building activities like skill development, therapy, or social interaction.</p> <p>Comfortable resting and sleeping conditions can improve focus and participation in capacity building activities, whether they are conducted from bed or after a good rest.</p>
Value for Money	<p>The construction and materials used in the Oska Aria mattress are designed for durability. This suggests a longer lifespan and less frequent need for replacement. The mattress cover's features, such as welded seams, a waterfall flap, and resistance to active chlorine, indicate that it can withstand rigorous use and cleaning. This durability leads to cost savings over time by reducing the need for frequent replacements.</p> <p>The pump can be added to an existing mattress when pressure ulcer prevention becomes necessary. This flexibility benefits both clients and healthcare facilities, as it permits the pump to be added at a later stage, particularly when an individual develops a pressure ulcer. This approach exemplifies a cost-effective strategy that avoids the purchase of an entirely new mattress and pump.</p> <p>By adequately addressing pressure ulcers with its pressure relief properties, the Oska Aria can prevent hospital admissions or the escalation of support needs for wound care at home. This preventive measure substantially reduces overall care costs, thereby reinforcing the mattress's value for money proposition. By preventing the need for costly hospitalisation or increased home-based support, the mattress gives value for money in both healthcare facilities and community-based settings.</p>
Standards Compliance	BS 5852 1990 Section 4 - Ignition Source Crib 5

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CLIENT ATTRIBUTES	CLINICAL BENEFIT/JUSTIFICATION
Current or history of Pressure Ulcers	The Heel relief slope redistributes pressure from the heels to the calves, which is a larger surface area and therefore less likely to develop pressure ulcers. The Offloader completely offloads pressure from the heels and is ideal for healing pressure ulcers on the heels and allowing carers to inspect the heels easily. The 4-way stretch cover allows the body to move in all directions and reduces friction to the skin which aids in skin breakdown and pressure ulcer formation. The aerolite foam allows for immersion and envelopment into the mattress which also allows for pressure to exerted over a greater surface area and reduce the amount of pressure being applied to one specific area of the body.
Poor Trunk control	The firm side wall supports users with poor trunk control. The firm side wall is a specific feature of this mattress design. It is a raised, sturdy border that surrounds the mattress perimeter. This side wall is firmer compared to the rest of the mattress surface. Poor trunk control refers to difficulties in maintaining proper posture and stability, particularly in the upper body and torso. Individuals with this issue may experience challenges when sitting or lying down, making it essential to have proper support.
Involuntary movement	<p>The mattress cover has multiway stretch which decreases friction that can be increased when someone has a lot of involuntary movement.</p> <p>The firm side wall also gives a stable edge for users to transfer on and off the bed and if they have involuntary movement, they require that additional stability.</p>
Elderly or Frail	<p>Elderly and frail users generally have decreased mobility, and their skin is even more vulnerable however they might find an alternating mattress too uncomfortable and cold where the aria without the pump has the high-pressure care properties without being uncomfortable for the user.</p> <p>The cover material's low shear properties are particularly beneficial for elderly or frail individuals, reducing the risk of skin tears and injuries during movements or transfers. As their skin tends to be thinner and more fragile.</p>
End-of-Life/ Palliative Care	<p>The Aria mattress is suitable for palliative clients as it has the pressure care properties of an alternating mattress with the addition of the pump to the mattress, however it is more comfortable than the alto as it has a layer of foam over the air cells. The foam over the air cells does slightly decrease the effectiveness of the alternating cells, however it will still provide a high level of pressure care.</p> <p>Clients in palliative care or end-of-life situations may spend extended periods in bed. Alternating pressure mattresses contribute to their comfort and help prevent pressure injuries during this time.</p> <p>With the addition of the pump to the aria mattress the alternating pressure feature of the mattress is essential for individuals with fragile skin, as it helps redistribute pressure gently and continuously. This minimises the risk of pressure ulcers, which elderly or frail individuals are particularly prone to due to thinner skin and reduced mobility.</p>
Spinal Cord Injuries	<p>The alternating air cells in the mattress help redistribute pressure, which is crucial for individuals with spinal cord injuries who often cannot shift their weight independently. This feature helps prevent pressure injuries; a common concern due to limited mobility.</p> <p>The mattress cover's microclimate management properties are beneficial for maintaining skin integrity. Individuals with spinal cord injuries may have impaired temperature regulation and sweat production, making microclimate management essential to prevent skin breakdown and discomfort.</p>

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CLIENT ATTRIBUTES	CLINICAL BENEFIT/JUSTIFICATION
Bariatric Clients	<p>Bariatric clients, often facing limited mobility and higher body weight, are at an increased risk of pressure sores due to prolonged pressure and compromised circulation. The Aria mattress is beneficial for these clients, as the redistribute pressure automatically to the persons weight and position every time they get onto the mattress, reducing the frequency of manual repositioning and easing caregiver burden.</p> <p>The OSKA Aria's mattress cover is designed for temperature regulation and moisture management, essential for bariatric clients who may overheat and perspire more due to larger body mass. This microclimate management is key to preventing skin breakdown, common in bariatric clients because of increased skin folds and moisture-related skin issues. The cover's moisture-wicking and vapour permeable properties are vital for maintaining skin integrity.</p> <p>is also important to note that the OSKA Aria has a Safe Working Load (SWL) of up to 230 kg and 250 kg with the addition of the pump.</p>
Critical Care and Post-Surgery	<p>Clients in critical care or those recovering from surgery often spend extended periods in bed. Adding the pump to the Aria for alternating therapy assist in preventing formation of pressure ulcers during recovery. The heel relief slope and offloader also aids in preventing pressure ulcer formation on the heels from spending extended periods in bed especially when lying on your back which can be the case with critical care patients due to all the medical devices that they have attached to them which makes reposition and therefore pressure redistribution difficult.</p>
Reduced Sensation or Nerve Damage	<p>Individuals with conditions like spinal cord injuries or diabetes-induced neuropathy often have reduced sensation or nerve damage, making them unaware of prolonged pressure on their body, thereby increasing their risk of pressure injuries. The addition of the pump to the Aria mattress allows for it to alternate the air cells and redistribute body weight and continuously shift pressure points, preventing extended pressure on any single area. This is especially important for those who cannot feel early signs of pressure sores.</p>
Immobility or Limited Mobility	<p>Individuals who are immobile or have limited mobility, such as those recovering from surgery, bedridden clients, or those with neurological conditions, benefit significantly from the alternating movement provided by the Aria when added with a pump. Even in sleep, the human body requires subtle movements to maintain healthy blood circulation and prevent the development of pressure sores, a process often hindered by immobility. Through its alternating pressure mechanism, the mattress periodically redistributes pressure across the body. This innovative design mimics the natural movements that occur in sleep, effectively reducing the risk of pressure sores.</p> <p>The alternating pressure points also enhance blood flow, vital for nutrient and oxygen delivery to tissues, aiding in healing and reducing complications associated with immobility.</p> <p>Without the pump, the Aria can completely offload pressure on the heels with the use of the Offloader and redistribute pressure from the heels to the calves using the heel relief slope as the heels are especially vulnerable to developing pressure ulcers in individuals who are immobile or have limited mobility.</p>
Back Pain	<p>Users with back pain can adjust the firmness of the Aria once the pump is added as the pump has a low and high setting which increases the pressure exerted by the mattress cells while keeping it well below 32 mmHg, which is the amount needed to occlude a blood vessel.</p>

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