



Preserving
dignity for
patients
of size

CITADEL PLUS BARIATRIC CARE SYSTEM

Citadel® Plus



Preserving dignity for patients of size

Maintaining patient dignity is vitally important for caregivers. This is especially so for patients of size who dislike the extra attention and perceived stigma associated with use of specialist bariatric equipment while in the hospital.

The Citadel Plus Bariatric Care System has been designed to blend in with other beds used in the care environment to help preserve the patients sense of dignity while delivering the functionality required by caregivers to manage patients weighing up to 454 kg (1000 lbs).

Visually consistent with other Arjo hospital beds, the Citadel Plus Bariatric Care System is difficult to distinguish as a bariatric product.



Citadel Plus is the centre piece of the comprehensive Arjo bariatric portfolio.



Carmina® bariatric hygiene chair



Tenor® mobile bariatric lifting aid



Flowtron® ACS900 Active Compression System with bariatric garments



Maxi Sky® 2 Plus bariatric ceiling lift system



Pressure redistributing support surfaces and microclimate solutions

Citadel Plus provides flexible and efficient patient care

The bed is the centre of care during a hospital stay, providing a platform for patient recovery while helping reduce the risk of patient and caregiver injury. Citadel Plus is purpose-built for hospitals demanding the highest levels of safety and efficiency from their beds and therapeutic surfaces.

Patient and caregiver safety



Power Drive System controls

Power Drive*

- Facilitates one person transport of patients weighing up to 454 kg (1000 lbs) depending on hospital protocol.
- Can help reduce the risk of work-related injuries and help increase efficiency.



VariZone

VariZone Patient Movement and Exit Detection

Can be set to alarm and detect when undesired movement of the patient occurs. Sensitivity of the system can be adjusted and is bespoke to each patient.



Anti-Entrapment System

AES (Anti-Entrapment System)

AES detects obstructions under the sleep deck during bed articulation and stops the downward movement of the bed to help prevent injury to a person or damage to other equipment.



SafeSet

SafeSet*

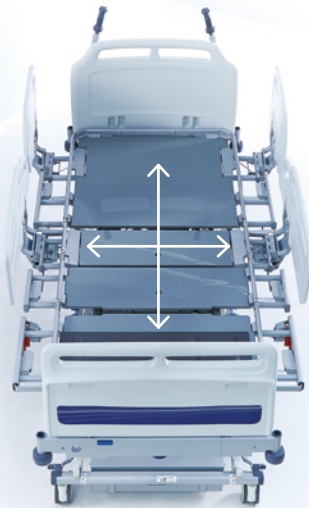
Provides visual alerts on 4 bed safety conditions to help staff provide a safe environment especially for those patients identified at risk from falls:

- side rail position
- brake status
- bed height
- if VariZone is armed





86.4 cm (34")



121.9 cm (48")

Variable width & length

Citadel Plus incorporates 3 width expansion options. Variable width and length provides flexibility to accommodate different size patients and enables easier access through doorways and in elevators during transport. Width adjustment is always available even during power outages.



Integrated weigh scale

Digital display weighs up to 454 kg (+/- 500 g). The Auto-Compensation feature allows objects to be added or removed without impacting the patient's weight reading. Patient weight is visually displayed for 10 seconds only to help protect patient dignity.



Head of bed angle

Digital head of bed angle display provides clear information to assist caregivers in appropriate patient positioning.

Automatic pause at 30 degree head elevation helps remind caregivers when this important angle has been reached.



One Button Chair Position

The Citadel Plus can be articulated into a chair position lowering the legs and abdomen to help improve patient comfort.

Pressure injury prevention

Citadel Plus is compatible with our range of support surfaces and microclimate solutions designed to mitigate the risk of pressure injury in plus size patients.

Support surfaces

Auralis® Plus provides an 'intelligent', dual-therapy system designed to deliver pressure redistribution whilst supporting patient comfort and efficient caregiver workflows.

- Self-Set Technology (SST) automatically adjusts to detected changes in the patient's weight distribution.
- Integrated side bolsters provide on-demand width adjustment to support efficient patient transportation.
- Six Heelguard® cells further enhance pressure redistribution in the vulnerable heel area.
- Integrated battery back-up helps ensure patient therapy continues even when mains power supply is not accessible.

AtmosAir Velaris® Plus is an adaptable system that can be used as a reactive or active surface, enabling you to provide customised therapy for a wide range of individual risk profiles, without having to change the support surface.


- Provides effective pressure redistribution when used as a reactive surface, and delivers active (alternating) therapy capable of full pressure offloading when powered with the Velaris pump.
- Foam-in-cell design, QuietConcept™ silent operation, and automatically dimming LED lights support patient comfort without compromising therapy.

Microclimate solutions

Skin IQ® 1000 provides a simple, effective solution for managing the skin microclimate of plus size patients weighing up to 454 kg (1000 lbs).

Skin IQ 1000 is a powered mattress coverlet that utilises unique Negative Airflow Technology® to draw temperature and moisture away from the skin and mattress interface.¹

INTERNATIONAL GUIDELINES² recommend that "For individuals with obesity, select a support surface with enhanced pressure redistribution, shear reduction and microclimate features" and "ensure the bed surface area is sufficiently wide to allow turning of the individual".




1220 mm with side bolsters inflated
860 mm with side bolsters deflated

Side bolsters inflate and deflate in minutes to accommodate efficient width adjustments

Heelguard cells

Inflate/deflate valve for side bolsters

Auralis Plus



AtmosAir Velaris Plus



Skin IQ 1000

Both the Auralis and Velaris pumps feature dedicated ports to power the Skin IQ coverlet, making it easy to incorporate microclimate control.

Standardising efficiency

Consistency in use of technology, many functionalities and accessories across the Enterprise® and Citadel product lines, provide opportunities for economies of scale which could have a positive impact on organisational costs.



Enterprise bed frame



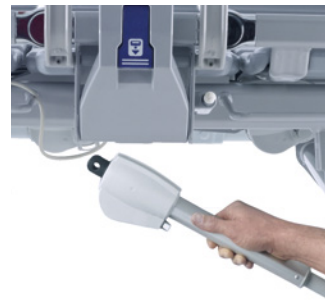
Citadel Plus bariatric bed frame



Citadel bed frame

Ease of maintenance

Standardised architecture ensures ease of maintenance for service personnel by providing consistent methods to perform common service tasks.



Reduced training time

Standardisation of many of the controls and user interfaces across the Citadel and Enterprise lines can help reduce the training burden for busy caregivers and hospital service personnel.



Patient controls



CPR lever



Caregiver controls

Arjo offers a full room solution for plus size patients, discover our bariatric solution portfolio.



Citadel Plus Demonstration video



Bariatric room solutions brochure



Maxi Sky 2 Plus Demonstration

*Optional

References

1. Hong KZ, Vrzalik J. Effective microclimate management via a powered coverlet using novel negative pressure-generated airflow. Presented at: The Clinical Symposium on Advances in Skin and Wound Care; September 9-12, 2011; National Harbor, MD.
2. European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance. Prevention and Treatment of Pressure Ulcers/Injuries: Clinical Practice Guideline. The International Guideline. Emily Haesler (Ed.). EPUAP/NPIAP/PPPIA: 2019.



The new Arjo medical bed range has been independently tested by the globally renowned organisation UL, to certify that it is compliant with the latest stability, dimensional and safety requirements of the IEC60601-2-52 Standard.

Only Arjo designed parts, which are designed specifically for the purpose, should be used on the equipment and products supplied by Arjo.

As our policy is one of continuous development we reserve the right to modify designs and specifications without prior notice. ® and ™ are trademarks belonging to the Arjo group of companies.

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At Arjo, we believe that empowering movement within healthcare environments is essential to quality care. Our products and solutions are designed to promote a safe and dignified experience through patient handling, medical beds, personal hygiene, disinfection, diagnostics, and the prevention of pressure injuries and venous thromboembolism. With over 6000 people worldwide and 60 years caring for patients and healthcare professionals, we are committed to driving healthier outcomes for people facing mobility challenges.

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