



Safety,  
strength,  
simplicity

CITADEL PLUS BARIATRIC CARE SYSTEM

**Citadel® Plus**



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



## 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).

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

# Citadel Plus provides flexible, safe 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 minimise the number of staff required to transport patients of size within the hospital.



VariZone

### VariZone Patient Movement and Exit Detection

This state-of-the-art technology can help alert caregivers to unplanned patient egress from the bed. With a choice of ten settings, alert sensitivity can be altered to suit patient and caregiver requirement.



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

## 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

Easy to use weigh scale 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.

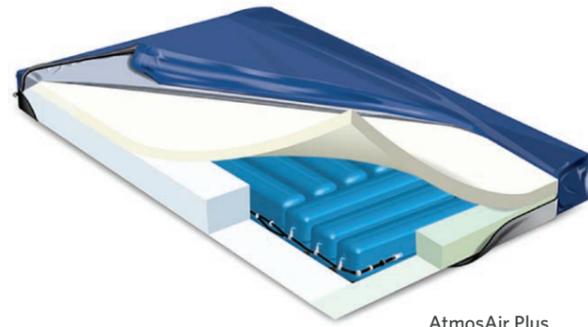
# Optimising skin protection

Customised surface for prevention and treatment of pressure injury

## Pressure redistribution\*

AtmosAir™ Plus designed specifically for Citadel Plus helps provide skin protection for patients of size. The pressure redistribution surface uses Self Adjusting Technology™ (SATTM) to automatically adjust cushion pressures in response to patient movement.

- Sloped heel section with visco-elastic foam helps transfer weight off the vulnerable heel area
- Mattress size can be adjusted from 86.4 cm (34") to 121.9 cm (48") wide and from 202 cm (80") to 224 cm (88") in length. This provides the appropriate sized surface to accommodate patient need.
- Durable, waterproof, moisture vapour permeable cover with multidirectional stretch to help reduce skin shear and friction.



AtmosAir Plus



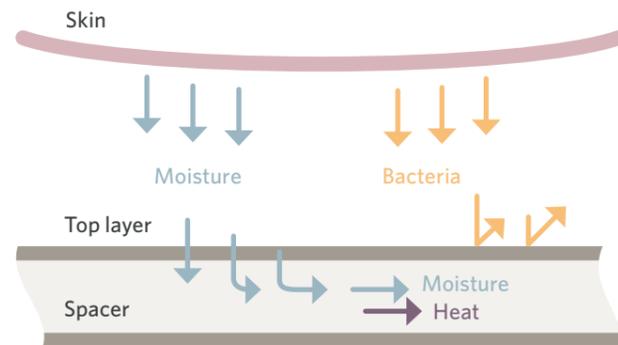
Skin IQ 1000

## Microclimate management\*

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

An optional single patient use powered mattress cover that utilises state of the art Negative Airflow Technology™ to assist in managing the moisture, heat and humidity (microclimate) of the patient's skin.<sup>1</sup>

Skin IQ 1000 can be used with a suitable bariatric pressure redistribution surface to help prevent and treat pressure injury.



INTERNATIONAL GUIDELINES recommend that bariatric patients are provided with "pressure redistribution support surfaces and equipment appropriate to the size and weight of the individual" AND CONSIDER "enhanced pressure redistribution, shear reduction and microclimate control".<sup>2</sup>

# 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 Solution 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. National Pressure Ulcer Advisory Panel, European Pressure Advisory Panel and Pan Pacific Pressure Injury Alliance. Prevention and Treatment of Pressure Ulcers: Clinical Practice Guideline. Emily Haesler (Ed.). Cambridge Media: Osborne Park, Western Australia; 2014.



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.

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At Arjo, we are committed to improving the everyday lives of people affected by reduced mobility and age-related health challenges. With products and solutions that ensure ergonomic patient handling, personal hygiene, disinfection, diagnostics, and the effective prevention of pressure injury and venous thromboembolism, we help professionals across care environments to continually raise the standard of safe and dignified care. Everything we do, we do with people in mind.

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