

INTEGRATED SYSTEM FOR HIGH DEPENDENCY PATIENTS

Citadel®



Citadel Patient Care System, built upon a universal platform and designed to transition from a non-integrated to an integrated system, provides flexible patient care for hospitals that demand safety, security and efficiency from their medical bed frames and therapeutic mattresses.

One system. Multiple acuities.

The bed frame is the centre of patient care during their stay in the hospital. It is an essential tool which may help promote rehabilitation while helping to reduce patient or caregiver injuries. Both the bed frame and mattress need to work in harmony throughout a hospital and across acuity levels to provide support for the patients and clinicians using them.

Citadel has been designed and built for this purpose.

The benefits of integration

Integration provides communication between the bed frame system and patient therapy system which delivers:

- One button CPR which delivers the CPR mode simultaneously to the mattress and the frame
- Automatic pressure compensation in the seat section when the head of bed is adjusted
- Restricts turning when the head of bed exceeds 30 degrees
- Restricts turning when one or more of the side rails is lowered

Additionally, the paired therapy system and bed frame offer bespoke mattress and frame design to help address entrapment concerns that result from using a frame and a mattress from two different suppliers

Key features

INTEGRATED WEIGHING SCALE

Digital display weighs up to 270 kg (+/- 500 g). Patient weight is visually displayed for 10 seconds only to help protect patient dignity.

VARIZONE PATIENT MOVEMENT

DETECTION SYSTEM
Can be set to alarm and detect when undesired movement of the patient occurs.

ANTI ENTRAPMENT SYSTEM

Detects obstructions under the sleep deck during bed articulation and stops the downward movement of the bed.

SAFESET

Provides visual alerts:

- Side rail position
- Brake status
- Bed height
- If VariZone is armed

ONE BUTTON CHAIR POSITION

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

30 DEGREE BACKREST AUTO PAUSE

Digital head of bed angle display. Automatic pause at 30 degree head elevation.

C100 ACTIVE THERAPY SUPPORT SURFACE

- Four-zone pressure adjustment
- Patient height and weight pre-sets
- Patient turn
- Firm mattress
- Patient transport mode
- Head & seat deflate options
- X-ray sleeve

C200 SUPPORT SURFACE

Offers all of the C100 features, plus the following:

- Pulsation and Alternating Pressure Therapy
- Continuous 20° turn for patient repositioning



PRODUCT INFORMATION

Dimensions (bed only)	Measurement
Overall standard length	230 cm (90.6 in)
Overall extended length	242 cm (95.3 in)
Overall width	103 cm (40.6 in)
In bed length standard	202 cm (80 in)
In bed length extended	214 cm (84 in)
Mattress width	88 cm (35 in)
Deck Height (125 mm / 5 in castors)	34 cm to 78 cm (13.3 to 30.7 in)
Deck Height (150 mm / 6 in castors)	36 cm to 80 cm (14.1 to 31.5 in)
Angles	Measurement
Head down tilt	12°
Foot down tilt	12°
Backrest angle	62°
Backrest pause	30°
Thigh angle	20°
Calf angle	16°
Products	Measurement
Safe working load/Maximum	270 kg (595 lb)
Maximum patient weight	227 kg (500 lb)
Base configuration	Head end panel 'off' base (HOB)
Safety Standards	IEC 60601-1:2005 + AMD1:2012 IEC 60601-2-52:2009 + AMD1:2015

Electrical data	Electrical data
Ingress protection	Ingress protection IPX4
Shock protection	Class 1, Type B Applied Part
EMC	IEC 60601-1-2:2014 + AMD1:2020
Power in	9.5 A max at 115 VAC 60Hz 4.5 A max at 230 VAC 50Hz 4.5 A max at 230 VAC 60Hz
Duty Cycle	10% (2 min on, 18 min off)
Battery backup	2 x 12 V series connected, 5 Ah
Patient weighing system	Patient weighing system
Minimum verification interval	500 g or 1 lb
Minimum capacity	10 kg (22 lb)
Maximum capacity	270 kg (595 lb)
Approvals 1	Directive 2014/31/EU, accuracy class III
Scale rating 2	Class III
Safety standard ANSI/AAMI	ANSI/AAMI ES60601-1-2005
Safety standard CAN/CSA	CAN/CSA C22 2 60601-1-DB

1. Applicable for countries an associate in CEN region
2. Applicable to rest of world