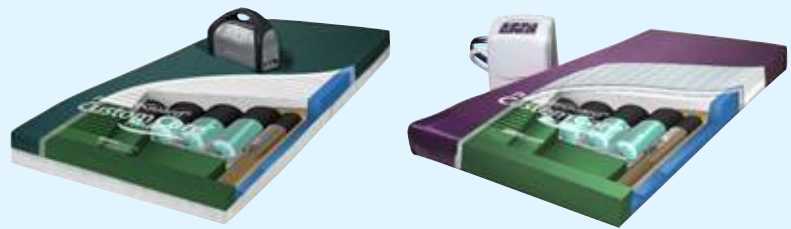


● ● ● ● PressureGuard®  
Custom Care®  
Convertible  
Series



**SPAN**America  
Innovative Solutions.

 **air**™

better science. better care.



Custom Care® Convertible

# A therapy-ready surface for every frame

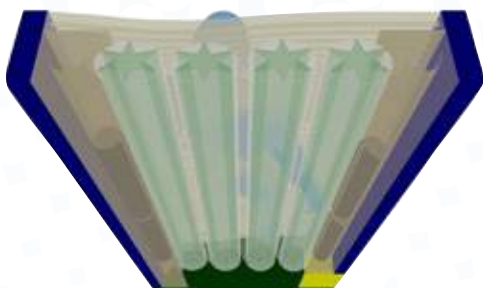
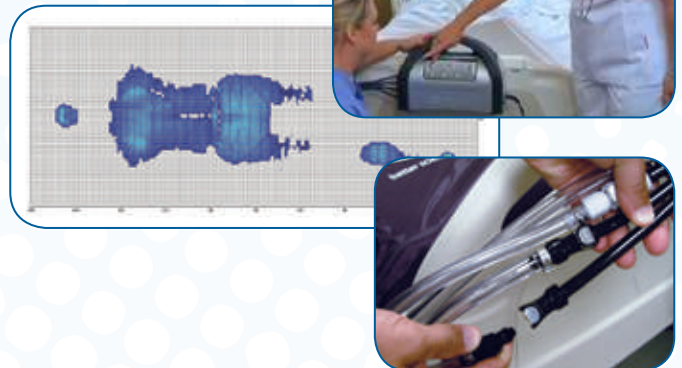


Custom Care® Convertible LAL

Experience the next generation in a clinically proven line of proprietary innovations in shear management, active and reactive therapies, maceration control, and patient safety.

In peer-reviewed studies, non-powered<sup>1</sup> and powered<sup>2</sup> PressureGuard® surfaces outperformed traditional powered surfaces in wound healing through Stage IV. Now, the innovative Star Chamber™ design and add-on therapies – including continuous lateral rotation therapy (CLRT), alternating pressure, and microclimate management – builds on that heritage, delivering the treatment flexibility to help your facility...

- ✓ dramatically reduce surface rental expenditures.
- ✓ provide superior treatment outcomes.
- ✓ avoid "never events": nosocomial ulcers and fall-related injuries.
- ✓ ensure outstanding comfort and stability.
- ✓ increase patient safety.
- ✓ avoid patient entrapment.



## Putting the "air" back in air therapy

The typical convertible surface is a product of compromise. It is expected to deliver high-end therapy, like an air treatment surface does. Yet its foam-filled inner core makes it similar in function to a simple foam mattress.

The design team at Span-America knew there was a better way. The result is the revolutionary PressureGuard Custom Care Convertible series. Its innovative design maximizes the essential component of true air therapy: Air!



<sup>1</sup> "Constant Force Technology" vs. Low-Air-Loss Therapy in the Treatment of Pressure Ulcers." Raquel Branom, RN, BSN, CWOON, and Laurie M. Rappl, PT, CWS; Ostomy/Wound Management 2001;47(9):38-46.

<sup>2</sup> "Lateral Rotation Mattresses for Wound Healing." Carol Anderson, RN, PHN, and Laurie M. Rappl, PT, CWS; Ostomy/Wound Management April 2004;50(4):50-62.

## Air is the star

The revolutionary part of the PressureGuard Custom Care Convertible and Convertible LAL surfaces starts deep within the surface, in the Star Chamber air cylinders. Far more than foam-filled "air" systems, the Star Chamber design creates a true air system that is constantly filled with air – whether or not the surface is powered.

- air is a superior pressure redistribution and immersion medium
- cross-connected elasticized reservoirs absorb peaks to mimic powered flotation
- four body-length air cylinders provide greater air displacement and better weight distribution than typical side-to-side cylinder configurations
- the points of the star-shaped core ensure maximum air volume
- the closed air system requires no refilling or maintenance for 5 years

## Air superiority

While they can be somewhat effective, foam-filled systems are limited by physics. But true air therapy provides the pathway to dramatically improved outcomes. It all starts with what's on the inside.



### Foam: a solid

- inhibits ideal pressure redistribution
- limits active therapies

### a typical foam-filled "air" sector:

- is only 5% air by volume
- provides only 5% support from air
- derives 95% support from foam

VS



### Air: a fluid

- facilitates ideal pressure redistribution
- maximizes active therapies

### a Star Chamber™ air cylinder:

- is 60% air by volume
- provides 92% support from air
- derives only 8% support from foam

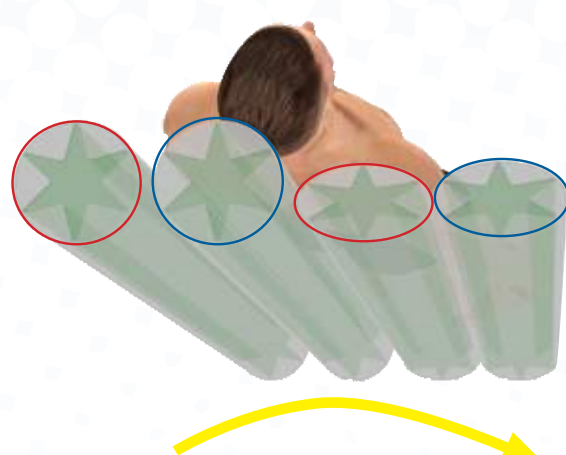
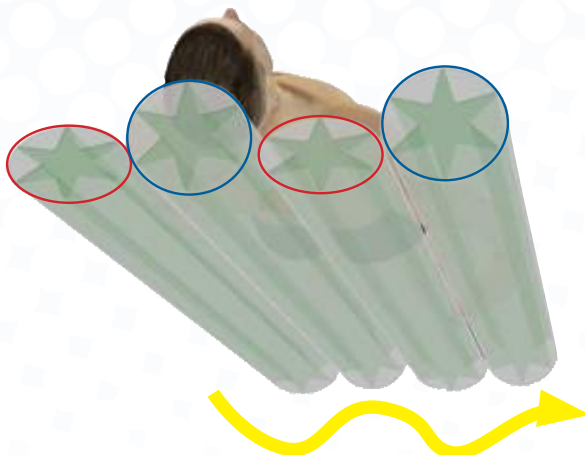
## The Star Chamber design makes powered therapies more effective.

### alternating pressure therapy

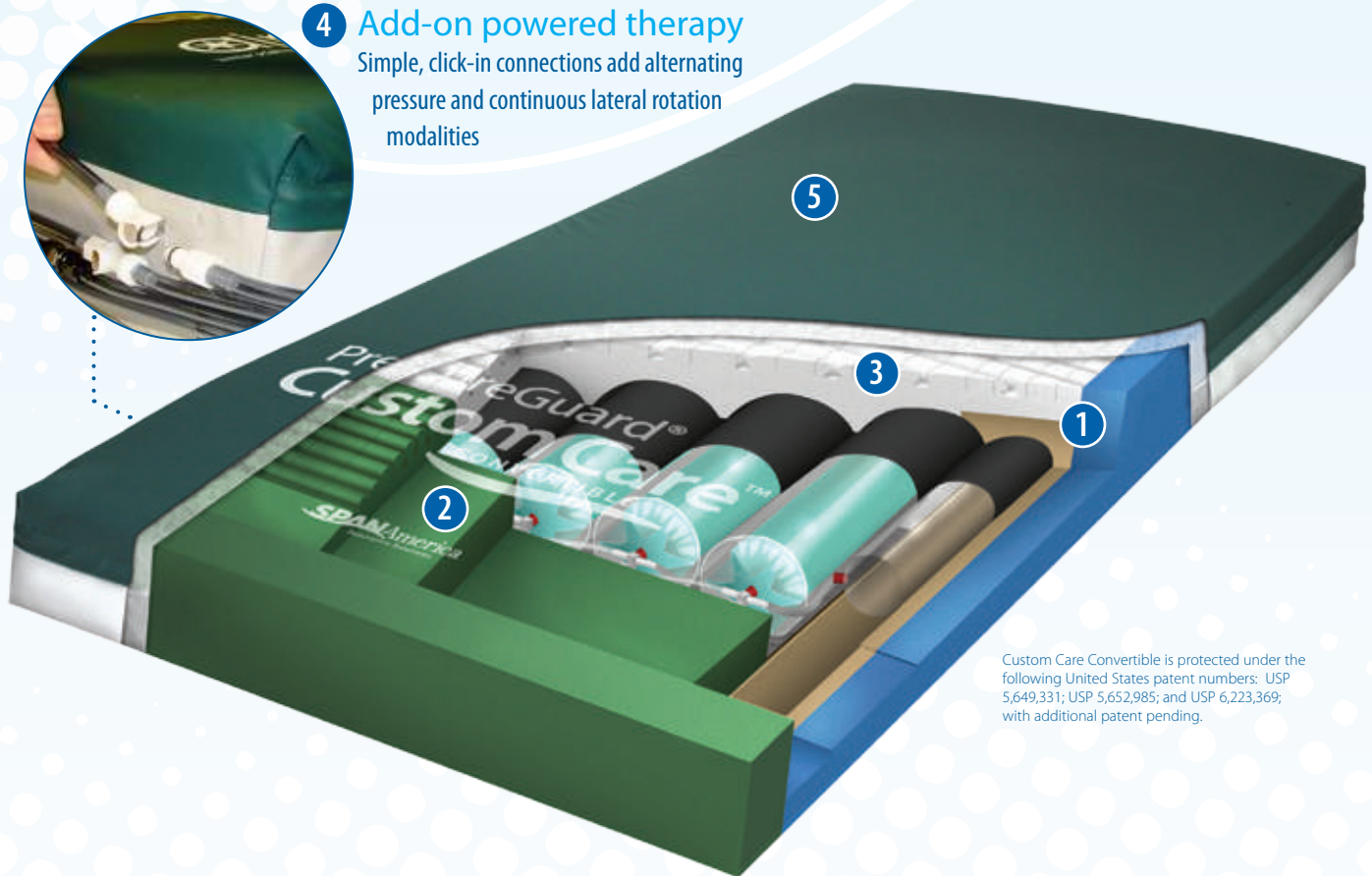
- cylinders subtly cycle in alternating pairs between high and lower pressure
- 15-minute cycle provides gentle weight redistribution without extreme pressure differentials
- delivers effective prevention and treatment

### continuous lateral rotation therapy

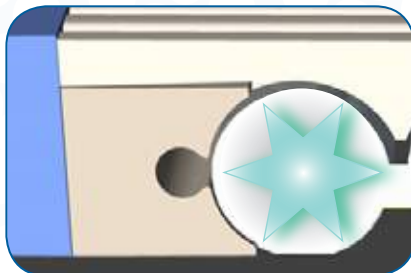
- Star Chambers inflate and deflate in pairs
- 15-minute cycle provides gentle, side-to-side rotation off of center lying
- provides an adjunct to manual repositioning





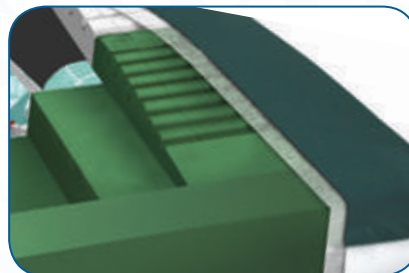


Custom Care Convertible is protected under the following United States patent numbers: USP 5,649,331; USP 5,652,985; and USP 6,223,369; with additional patent pending.



**1 Safety Edge™  
 bolster design**

- two-piece construction
- provides a stable, supportive perimeter
- helps minimize the risk of falls and bed entrapment



**2 Dual heel protection**

- gentle Heel Slope® offloads vulnerable heels
- transfers pressure onto pressure-tolerant lower legs
- premium, high-immersion heel section



**3 Geo-Matt®  
 surface geometry**

- zoned design helps minimize shearing
- more than 800 individually-articulating cells
- helps to dissipate heat and moisture through Ring of Air® channels

#### 4 Ruggedized control unit

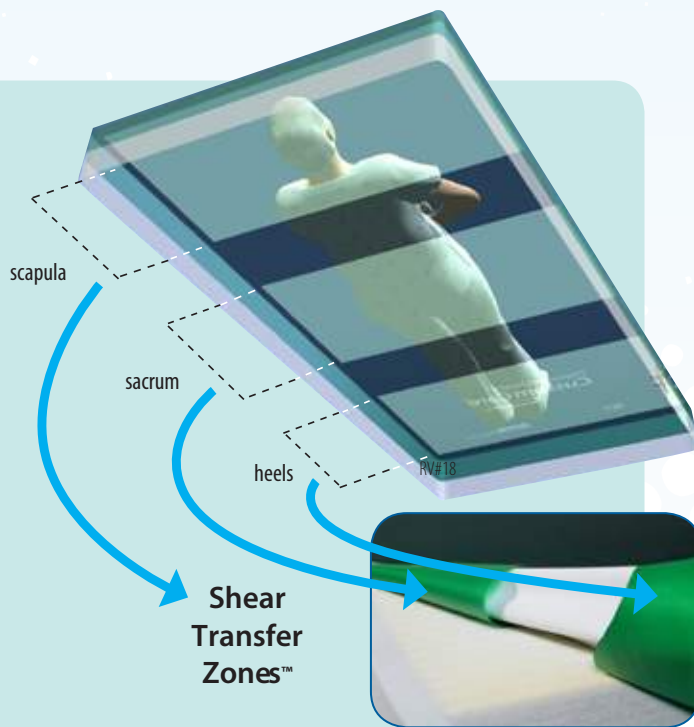
- one-piece quiet control unit
- impact-absorbing textured rubber cladding
- anti-microbial treatment embedded in control panel
- quick-connect air lines are color-coded and gender-matched
- flush-mounted air lines eliminate damaged connectors
- push-button therapy selection
- alternating pressure
- lateral rotation
- timed auto-firm
- simple comfort adjustment
- "disconnect" button resets surface to ideal non-powered setting



### Span-America Exclusive: Shear Transfer Zones™ (patent pending)

#### 5 Bi-directional stretch cover with Shear Transfer Zones

- creates shear-minimizing bands beneath heels, sacrum and scapula
- helps "glide" user to original position following gatching
- provides overall stability while offsetting friction
- anti-microbial
- flame-resistant
- fluid-impervious
- tear-resistant
- easily wipes clean
- exclusive bottom design reduces sliding and "gatching noise"
- replaceable

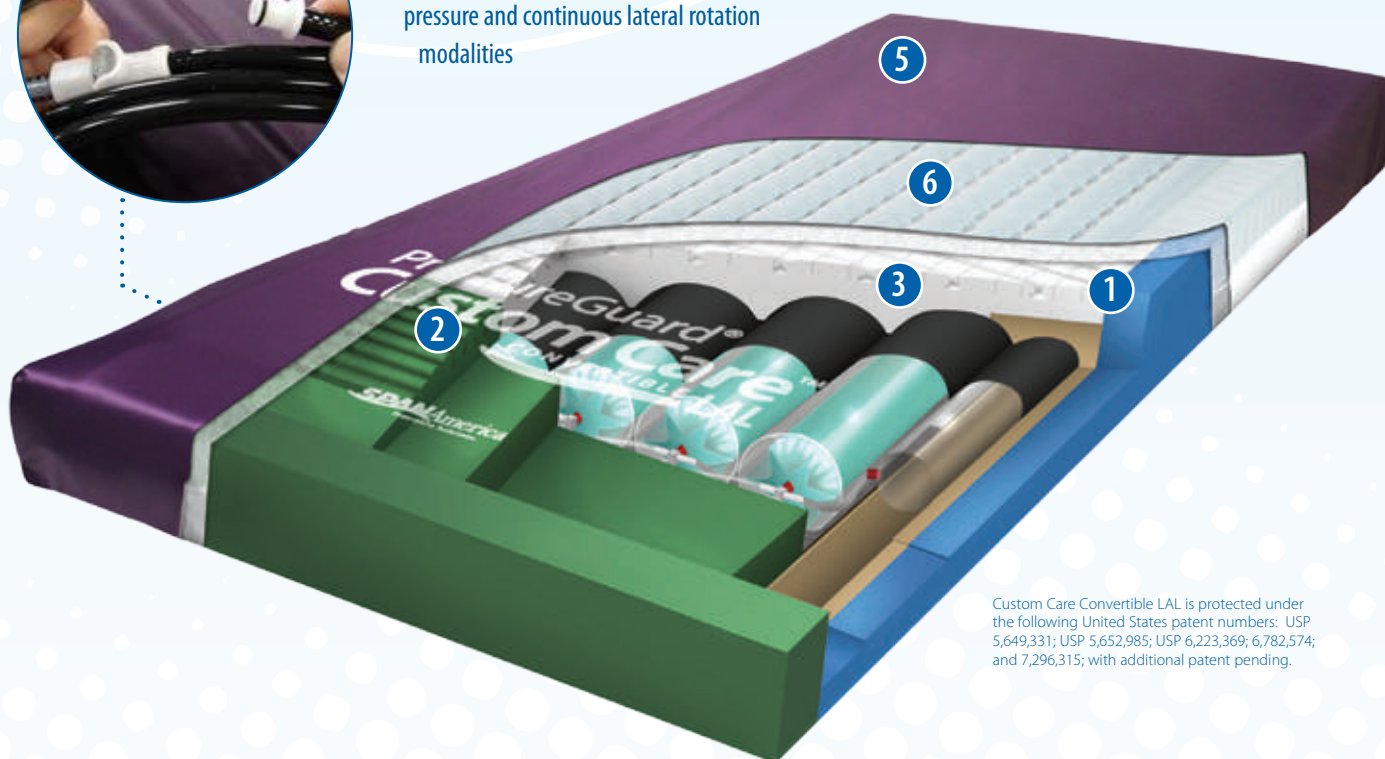


Shear Transfer Zones help minimize damaging effects of microshear, macroshear, and rotational (pivot-induced) shear.

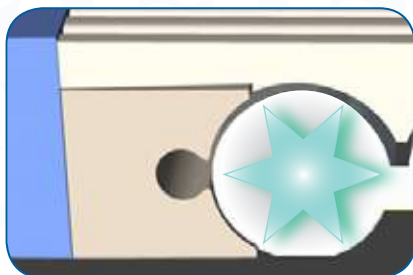
*The ultimate in treatment flexibility for high acuity environments*



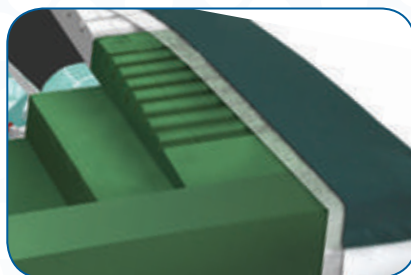
- 4 Add-on powered therapy**  
 Simple, click-in connections add microclimate management (low air loss), alternating pressure and continuous lateral rotation modalities



Custom Care Convertible LAL is protected under the following United States patent numbers: USP 5,649,331; USP 5,652,985; USP 6,223,369; 6,782,574; and 7,296,315; with additional patent pending.



- 1 Safety Edge™ bolster design**
- two-piece construction
  - provides a stable, supportive perimeter
  - helps minimize the risk of falls and bed entrapment



- 2 Dual heel protection**
- gentle Heel Slope® offloads vulnerable heels
  - transfers pressure onto pressure-tolerant lower legs
  - premium, high-immersion heel section



- 3 Geo-Matt® surface geometry**
- zoned design helps minimize shearing
  - more than 800 individually-articulating cells
  - helps to dissipate heat and moisture through Ring of Air® channels



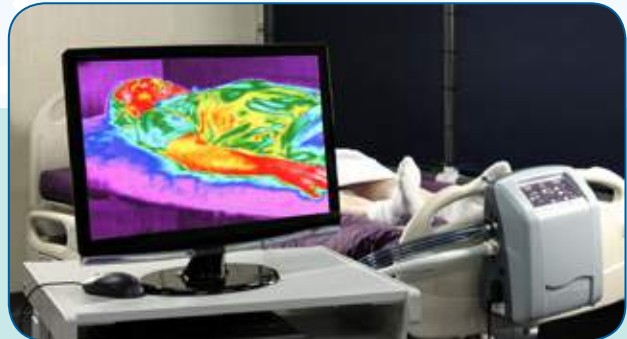
#### 4 Convertible LAL control unit

- quiet and rugged
- quick-connect air lines are color-coded and gender-matched
- anti-microbial treatment embedded in control panel
- push-button therapy selection
- low air loss
- alternating pressure
- lateral rotation
- simple comfort adjustment
- "disconnect" button resets surface to ideal non-powered setting



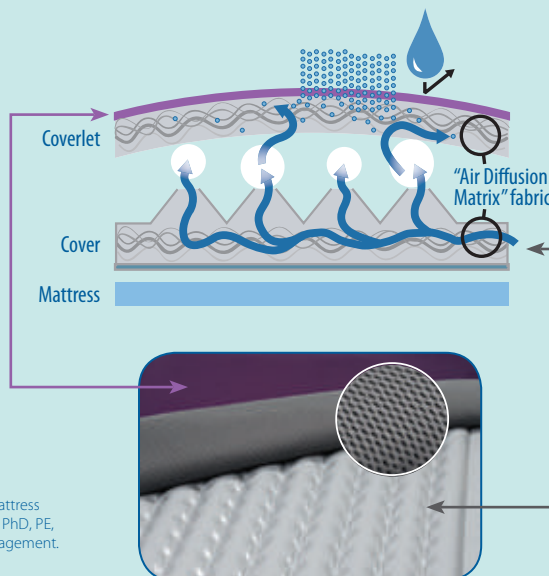
### Span-America Exclusive: Patented\*, industry-leading microclimate management

Low air loss (LAL) therapy mode provides effective treatment for macerated wounds. Uses documented<sup>3</sup>, industry-best design for controlling excess moisture. Removes excess heat at microclimate level via moisture management.



#### 5 Outer coverlet

- vapor-permeable, yet fluid-proof
- Air Diffusion Matrix™ layer outperforms typical batting
- wipes clean in place with standard hospital-grade cleaners
- machine launderable



#### 6 Inner air delivery cover

- dedicated air supply
- continuous airflow through Air Diffusion Matrix™ layer
- sweeps away moisture vapor before it can re-form as a liquid
- reduces maceration, especially effective at the sacrum

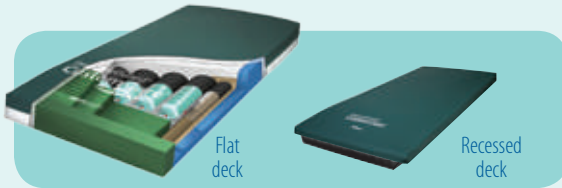
3 "A Proposed Method for Quantifying Low-Air-Loss Mattress Performance by Moisture Transport." Richard S. Figliola, PhD, PE, Clemson University, Clemson, SC. Ostomy/Wound Management. 2003;49(1):32-41.

\*US Patent numbers 6,782,574 and 7,296,315.

# Specifications

## Mattresses

### PressureGuard® CustomCare® Convertible



Part number	Description
CJ803629	80"L x 36"W x 7"H
CJ753629	75"L x 36"W x 7"H
CJ843629	84"L x 36"W x 7"H
CJ85V29	Custom Care Convertible for recessed deck frames
CJ80CA29	Custom Care Convertible 80" for CareAssist®
CJ84CA29	Custom Care Convertible 84" for CareAssist®

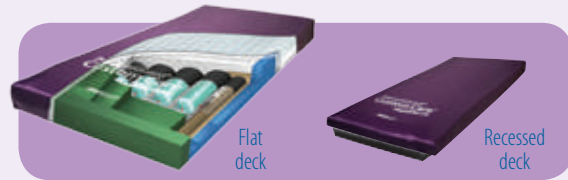
#### Medicare Approved:

Without control unit: E0373 (Group II, non-powered treatment)  
With control unit: E0277 (Group II, powered treatment)

**Weight limit:** Supports up to 500 lbs. (non-powered mode)  
Supports up to 350 lbs. (powered modes)

**Weight:** Mattress: approximately 24 lbs.

### PressureGuard® CustomCare® Convertible LAL



Part number	Description
CL803629	80"L x 36"W x 7"H
CL753629	75"L x 36"W x 7"H
CL843629	84"L x 36"W x 7"H
CL85V29	Custom Care Convertible LAL for recessed deck frames
CL80CA29	Custom Care Convertible LAL 80" for CareAssist®
CL84CA29	Custom Care Convertible LAL 84" for CareAssist®

#### Medicare Approved:

Without control unit: E0373 (Group II, non-powered treatment)  
With control unit: E0277 (Group II, powered treatment)

**Weight limit:** Supports up to 500 lbs. (non-powered & alternating modes)  
Supports up to 350 lbs. (lateral rotation mode)

**Weight:** Mattress: approximately 34 lbs.

## Add-on control units



### 6500 - Powered control unit for Custom Care Convertible

*\*Can also be connected to Custom Care Convertible LAL mattress to add alternating pressure and lateral rotation (will not provide low air loss).*

Dimensions	Weight	Max current
14.5" x 10" x 5"	9.5 lbs.	.2 Amp

### 8400 - Powered control unit for Custom Care Convertible LAL



Dimensions	Weight	Max current
12" x 15" x 7"	12.5 lbs.	1.0 Amp

## General

- Flammability: All models conform to NFPA 101 (Life Safety Code); Cal Tech bulletins # 117,129, and 603; CPSC 16 CFR Parts 1632 and 1633
- Leakage current: <100 micro-amps
- Voltage: 120 AC
- UL listing: Conforms to UL2601-1 type B equipment
- All components latex-free
- Warranty: Mattress: 5 years, non-prorated; Control unit: 2 years, non-prorated
- Bed frame compatibility: Models available for standard flat-deck frames. Versions also available to accommodate stretchers and popular non-flat deck frames.

## About Span-America

For more than 35 years, Span-America has been providing innovative pressure management solutions to leading healthcare providers in North America and beyond. In addition to our healthcare mattresses, we are also recognized for seating surfaces, positioners, and skin care products to assist healthcare providers and those they serve.

## Don't need a convertible?

We also offer a non-convertible PressureGuard® Custom Care™ model that provides a cost-effective solution where add-on powered modalities are not desired.

Incorporates the cover and outer shell design innovations found in the convertible series, but with a support cylinder design similar to typical non-powered reactive systems. Ask your sales representative for more information.



**SPAN**America  
Innovative Solutions.