



"Fully automatic anti-decubitus mattress replacement system equipped with battery backup, for high risk and bariatric patients up to stage IV"



carilex[®]

Auto Regulating Technology (A.R.T.™): The Future of Pressure Ulcer Management.



- ★ **A.R.T.™** automatically monitors and regularly readjusts the internal pressure to permanently optimize the patient's pressure relief and comfort.
- ★ **A.R.T.™** determines the optimal internal pressure by using separate electronic pressure sensors and sophisticated micro-processing algorithms to determine the patient load on the mattress surface.
- ★ **A.R.T.™** uses the mattress as a direct sensor pad meaning no extra underlying sensor pad required.
- ★ **A.R.T.™** provides stepless internal pressure adjustment.



▲ Directional Snaps – Directional snaps increase structural stability



▲ Transport plug retains mattress' internal air during transportation



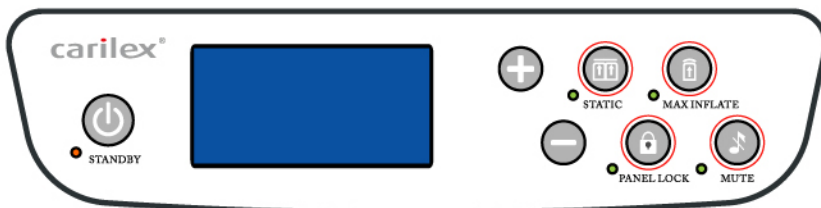
▲ CPR – Rapid deflation CPR facility



▲ Graphic Screen – LCD screen

Summit Power Unit

- ✿ Initial inflation time around 10 mins
- ✿ Automatic upright function (external non-mercury sensor)
- ✿ Battery backup - advanced power detection sensor automatically activates battery backup in the event of a main's power failure and allows treatment to continue uninterrupted during patient transportation and examination.
- ✿ Graphic screen - 3" LCD provides the easiest of views for all users.
- ✿ Design - ultra quiet, simple and attractive on the outside, highly sophisticated technology packed on the inside.
- ✿ Hose connection detector with CPR function
- ✿ Memory recall
- ✿ Visual/Audible alarms - indicates times of low pressure or imminent power failure.
- ✿ User interface languages - English, French, German, Italian and Spanish.
- ✿ Automatic panel lock - prevents tampering.
- ✿ Timer - displays total operating time.



Summit Mattress Replacement

- ✿ Twenty-one 8-inch tall air cells – provide maximum pressure relief and therapy.
- ✿ Integrated 2-inch air pad – for extra protection in case of power outage.
- ✿ Weight capacity – patients up to 300 kg.
- ✿ Rapid deflation facility (CPR) – in case of an emergency, deflates the entire mattress within seconds.
- ✿ Transport plug – allows mattress to stay inflated for an extended duration when there is a main power outage or if battery backup requires charging.
- ✿ Modular air cell construction – for easy maintenance and cleaning.
- ✿ Pillow function – head zone comprised of 3 static air cells for patient comfort.
- ✿ Heel protection – narrow air cells for heel section provide extra relief.
- ✿ Dartex coverlet – four-way stretch to minimize shear forces, waterproof but vapor permeable, fire retardant, anti-bacterial and anti-fungal coated coverlet. Oekotex certified.
- ✿ Cable fastener – ability to secure cable alongside mattress to prevent possible hazards.

Product Specification

Individual Model No.

Power Control Unit - SR388
Mattress - SR210
Coverlet - SR611

Power Input

AC100 - 120V / 50 & 60 Hz
AC220 - 240V / 50 Hz

Dimension

Power Control Unit - 37.5 x 32 x 18.5 cm
Mattress Set:
Standard - 200 x 90 x 23 cm
Narrow - 200 x 82 x 23 cm

Material

Power Unit - ABS fire retardant UL
Mattress Cell - 100% nylon with TPU lamination
Coverlet - 100% nylon with PU backing

Maximum Weight Capacity

300 kg

Weight

Power Control Unit - 8kg
Mattress Set - 10kg

Power Consumption

Max. 30W

Agency Approval

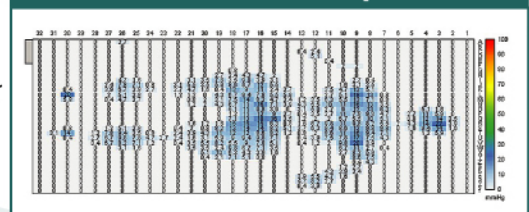
EN60601-1, EN60601-1-2,
EN61000-3-2, EN61000-3-3, UL-2601-1

Operating & Transportation & Storage Conditions

Temperature - 5°C ~ 45°C
Humidity - 15% ~ 60%

This system is not AP/ APG protected.

Pressure Map



Volunteer: Female 43 years old, 170 cm in height,
90 kg in weight, BMI = 31.1



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