



Compressor Based Product Function and Feature

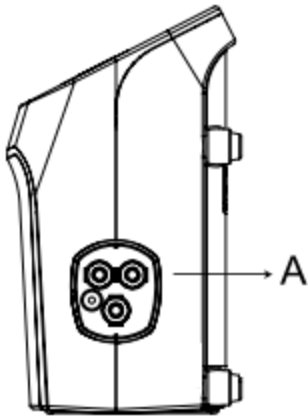
Envelop

Envelop Pump



Fully automatic anti-decubitus mattress replacement system equipped with pressure sensors and battery backup. For high risk and bariatric patient up to Stage IV

Envelop Pump – Right & Left Side Panel



Right Side Panel Features

Right Side Panel Features

(A) CPR Connector

Quick release connector used to secure mattress air hoses to power unit.

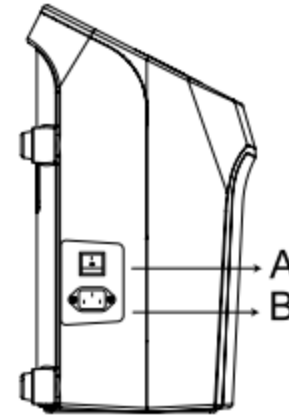
Left Side Panel Features

(A) Rocker Switch

Power unit's main power switch.

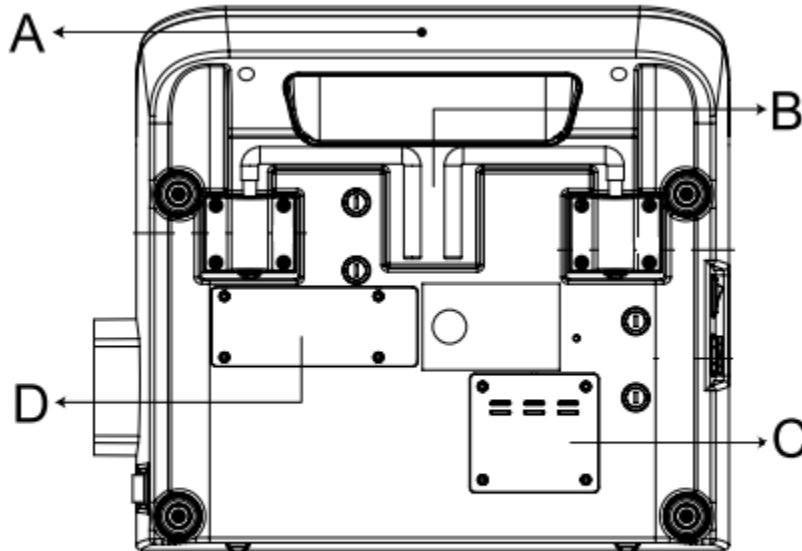
(B) Power Receptacle

Insert power cord firmly into receptacle.



Left Side Panel Features

Envelop Pump - Rear Panel



Rear Panel Features

Rear Panel Features

- (A) Convenient Handle
Provides additional gripping surface for user to carry power unit.
- (B) Hanging Hooks
Designed to hang power unit on almost any footboard.
- (C) Air Filter and Filter Cap
Carilex recommends the filter to be inspected and cleaned or replaced once a month to ensure optimal performance of the power unit.
- (D) Battery Compartment
Allows for easy access for battery replacement. Also includes socket used for upgrading software/firmware.
Removal the battery pack when unused for long periods of time.

Brief Product Specification

Product Specification

Individual ART. No. Power Unit.....S2003-3 Mattress.....S2003-2 Coverlet.....S2003-A	Material Power Unit.....ABS fire retardant UL Mattress Cell.....100% nylon with TPU lamination Coverlet.....Quilted nylon
Power Unit REF SR 388 Power Input..... AC100 - 240V / 50 - 60Hz Power Consumption.....Max. 60W	Weight Power Unit.....8kg Mattress Set.....10kg
Dimension Power Unit.....37.5 x 32 x 18.5cm Mattress set (inflated).....35.5" x 83" x 10"	Operating & Transportation & Storage Conditions Temperature.....5 ~ 40°C Humidity.....15 ~ 60%
This power unit is not AP/APG protected.	Maximum Weight Capacity.....300kg Product Compliance.....EN60601-1, EN60601-1-2

Unique Envelop S.M.A.R.T. Technology

The Future of Pressure Ulcer Management: Self Monitoring Automatic air Regulating Technology

S.M.A.R.T.[™]

Smart and advance technology that is not found in competing products. It is the future of pressure ulcer management.

Maintains the optimal internal pressure by using separate electronic pressure sensors and sophisticated micro-processing algorithms to determine the patient load on the mattress surface.

Automatically monitors and regulates the internal pressure to continuously optimize the patient's pressure relief and comfort.

Relief pressure and provides step-less internal pressure adjustment. Uses the mattress as a direct sensor pad, which eliminates the need for extra underlying sensor pad.

Treat and prevent pressure ulcer for standard and bariatric patients up to stage IV.

Envelop WOW Effect - Panel Layout



- **Auto Firm**

Quickly inflates the mattress maximum internal pressure for transferring patients or other care needs. Press the button again to restore the original setting or it will disable automatically after 20 mins if unattended.

- **Mute/Auto Set**

Disable the audible indicator or perform system auto setting by pressing the button.

Envelop Function Introduction

- **Envelop**
Static function, provided the superior immersion for max. pressure relief and therapy.
- **AP Redistribution**
Offered alternating function to fulfill individual patient's need.
- **Lock Out**
The system will automatically activate panel lock to disable all function buttons when the panel is untouched for 3 minutes except "Mute" function. Simply press and hold "Lock Out" for 3 seconds to release all function buttons.
- **Fowler Boost**
Press the button to prevent patient from bottoming out in sit up position or when mattress is in upright position. Make sure Fowler Boost is switched off when the patient is laying down to avoid of improper pressure setting.

Envelop Mattress



Directional Snaps



Transport plug



Rapid deflation CPR facility



Graphic Screen

Brief Mattress Specification

- **Envelop Mattress**

- Available Dimension: 35.5" X 83"
- Weight capacity: up to 660 lbs (300 kg)
- Nylon quilted coverlet with MVP rate : 500g/24H/M2
- 8" air cell (21 cells) with 2" air chamber
- Material of air cell: nylon with TPU lamination
- Rapid deflation facility (CPR): allows mattress to be deflated quickly

Envelop Mattress Features

Envelop Mattress

Twenty one individual 8-inch high square air cells provide superior immersion for pressure relief and therapy, combined with a sealed, 2-inch air pad base for added protection in case of power outage.

Square air cell design provides added comfort and pressure redistribution while patient is lying down and gives additional safety and security for egress/ingress.

Weight capacity for patients up to 660lbs / 300kg.

Zoned system includes static head section for extra relief and specialized air cells in heel section for comfort and superior pressure redistribution.

Unique directional snaps connect air cells to mattress base, which delivers increased structural stability and safety, and prevents air cells from accidentally detaching and deflating.

Securely fastened protected zipper makes coverlet easy to remove for laundering and replacement.

Cross contamination prevention through enhanced mattress base

Quilted nylon coverlet high quality waterproof and vapor permeable for skin protection and patient comfort

Convenient transport plug allows mattress to stay inflated for approximately two hours after being detached from power unit. (Intended for transport purposes.)

Modular air cell construction for easy cleaning, repair, and replacement.