

With over thirty years of experience, Carilex has established itself as a global leader in the wound care industry by developing state-of-the-art technology in the prevention and treatment of pressure ulcers. Established relationships with medical institutions worldwide allow us to gain critical insight into the needs of our patients and their clinicians. Our expertise in research and development, manufacturing, and quality control and assurance allow us to provide unparalleled products in wound care management in the form of comprehensive product lines proven to prevent and treat of pressure sores and wound. Our strength is in our people and their dedication to and belief in the excellence of the Carilex product. It is evident in our continuous and rigorous devotion to providing the finest medical devices.

Together with commitment and constant innovation, Carilex is driven forward by our motto—CARING MAKES THE DIFFERENCE. All of us at Carilex believe paying extra care in everything we do is the key to make real differences.

We take pride and find joy knowing that our patients are in good hands when they are using Carilex products.

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carilex[®]

Envelop

Technology from the future : true automatic deep fluid envelopment for ultimate wound care solution.



Technology from the future: true automatic deep fluid envelopment for ultimate wound care solution.

To go forward we must first look back, learning from Archimedes' genius discovery in physics thousands of years ago, comes the most leading-edge technology in wound care – Carilex Envelop. A radical improvement for pressure relief systems. Envelop combines the best technological advancements from Carilex and presents a mattress replacement system, equipped with deep fluid envelopment technology that is genuinely transformative.

Fits like a glove.

Introducing Deep Fluid Envelopment Technology (DFET), the future of pressure relief systems. DFET allows the patient to be fully enveloped into the mattress, as if the mattress is personalized for each patient and specifically molded around their body. Envelop uses air to buoy, or levitates the patient to reduce and equalize pressure, which therefore creates maximum contact to the skin providing optimal pressure relief and pressure redistribution. With an unprecedented 79% immersion, Envelop creates the best envelopment effect. The technology is so advanced and nuanced, it is simply not found in any other competing products. With Envelop, it is like the mattress is custom made to fit every single patient.

So incredibly S.M.A.R.T. (Self Monitoring Automatic air Regulating Technology)

Envelop achieves its technological superiority by using a patented S.M.A.R.T. Technology. S.M.A.R.T. maintains the optimal internal pressure by using separate electronic pressure sensors and sophisticated microprocessing algorithms to automatically determine patient load on the mattress surface. It monitors and regulates the internal pressure to continuously optimize the patient's pressure relief and comfort. Using the mattress as a direct sensor pad, S.M.A.R.T. allows Envelop to relieve pressure and provides step-less internal pressure adjustment, thus eliminates the need for extra underlying sensor pad.

With the unrivalled advancements of DFET and S.M.A.R.T., never have the wound care industry seen anything quite like Envelop. Bringing the future to now, Envelop, the wound care system way ahead of its time.

The Envelop Power Unit with IPS Technology.

The IPS Technology, Intelligent Pressure Sensing Technology, works with S.M.A.R.T to create effective envelopment. IPS responds to patient movements on mattress by automatically adjusting internal mattress pressure, which allows Envelop to regulate airflow and continuously provide total envelopment for our patients. Carilex is the first brand in the industry to master IPS. This gives us more experience and vast knowledge in the technology that is years ahead of our competitors.

1. Patented S.M.A.R.T technology

Automatically determine patient load on the mattress surface.

2. IPS technology

Responds to patient movements on mattress by automatically adjusting internal mattress pressure.

3. Bariatric mode

High weight capacity supporting both standard and bariatric patients up to 1000lbs (450kgs).

4. Battery backup

Automatic power detection sensor activates battery backup in the event of power failure and allows treatment to continue uninterrupted during patient transportation and examination.

5. LCD panel

Liquid-crystal display for intuitive operation.



The Envelop Mattress

The Carilex Envelop Mattress Replacement System is designed to facilitate blood circulation and provide maximum tissue pressure redistribution and relief for treating and preventing pressure injuries. It is the ideal therapy system providing low noise level and comfortable modular cell design for superior sleeping quality.

1. S31 tested

79% immersion creating the best envelopment effect in the industry.

2. Bariatric extension

Side extensions fitting width of 90cm, 105cm and 120cm one mattress fits all.

3. Instant CPR

Rapid deflating the entire mattress within seconds in case of emergency.



Directional Snap

4. Square air cell

No gap between air cells delivers maximum support and pressure redistribution while patient is lying down. This also gives additional safety for egress and ingress.

5. Directional snap

Specifically designed buttons to provide better structural stability from air cells.



Transportation Plug
Instant CPR







6. Multiple coverlet material

Standard breathable quilted nylon coverlet, or the optional Dartex coverlet providing high quality waterproof and vapour permeable medical fabric.

7. Transportation plug










Allowing the mattress to stay inflated after being detached from power unit.









Other Features

- | | |
|---|---|
|  Alternating Pressure Relief |  Low Pressure Alarm |
|  Pressure Redistribution |  Power Failure Alarm |
|  Patient Immersion |  Alarm Mute |

Technical Data

- Power Unit Model : _____ REF : SR388
- Power Input : _____ 100 - 240Vac 50 / 60Hz 1.4A
- Power Consumption : _____ 32W
- Weight : _____ Power Unit : 6Kg
Mattress Set : 11.2Kg, 11.5Kg
- Dimension : _____ Power Unit : 37.5 x 32 x 18.5 cm
Mattress Set :
32" x 80" x 10" (82 x 200 x 25 cm)
36" x 80" x 10" (90 x 200 x 25 cm)
other size upon request
- Agency Approval : _____ EN60601-1 & UL60601-1
- Operation Condition : _____ Temperature : 5°C to 40°C
Humidity : 15% to 93%
- Transportation & Storage Condition : _____ Temperature : -25°C to 70°C
Humidity : 0% to 93%
- Weight Capacity : _____ 450kg
- This Power Unit is not AP/APG protected

- | | | |
|---|---|--|
|  Require Service |  Fowler Boost |  Panel Lock |
|  Multiple Language |  Auto Firm |  Whisper Quiet |
|  Display usage day/time |  Memory Recall |  Distributor Mode |

- | | | |
|--|---|---|
|  Mattress Replacement |  Multiple Mattress Sizes |  Durable Material |
|  Easily Exchangeable Air Cells |  Rapid CPR Deflation |  Quick Connect CPC |
|  Easy Cleaning |  Infection Control |  Cable Management |