



3D Microclimate Delivery System

Air Therapy - Where You Need It Most

Anti-Decubitus Mattress System that provides 360 degrees of LAL therapy





3D Microclimate Delivery Anti-Decubitus Mattress System

The world's first and only 360 Degrees of LAL therapy

Airrapy™ by Carilex --- Air Therapy, Where You Need It Most.

Airrapy's patent pending mattress and low air loss (LAL) positioning devices provide 3D patient therapy and will change the way you think about redistribution of weight, patient positioning and direct LAL therapy. Until Airrapy, all therapy surfaces shared the same 2D limitation, providing therapy only to the area of the patient that comes in direct contact with the mattress surface.

Airrapy provides 360 degrees of LAL therapy. Airrapy's pillows, wedges and Airrapods™ take the therapy from the mattress surface and direct it over, between and under the patients' limbs. Airrapy LAL accessories elevate, stabilize and position patients safely while reducing heat, moisture and pressure.

Compare to traditional static foam or gel pillows and wedges, Airrapy positioning devices provide dynamic, controlled LAL therapy in a true patient weight redistribution system that relieves heat, moisture and pressure. Adjustable Pillow Ports™ control microclimate therapy intensity through Airrapy's wide assortment of reusable and disposable accessories that reach over, between and under the patient, enveloping their body in a free flowing and dynamic manner.

Airrapy Airrapods may also be used with your wall air system, allowing a new superior way to reduce pressure, skin - to - skin contact and pinch points frequently associated with patient positioning during surgery.



Airrapy Power Unit

A powerful blower unit that assures appropriate air flow for the support surface and any added positioning products which cares for bariatric patients up to 450kg. Static, Dynamic and Pulsation Modes

Airrapy Power Unit is a True Low Air Loss blower that provides air flow to support bariatric patients up to 450kg. The system offers three distinctive therapy modes – static, dynamic and pulsation modes – that can provide optimal air therapy tailored to meet the specific requirement of individual patient's need and situation. Along with the LAL Airrapy pillows, wedges, positioners and the 360 blanket, the system provides a comprehensive 360 degrees of LAL therapy that enveloped the patient in the ideal air therapy environment.

Three therapy modes

Switch between static, alternating and pulsation mode with a simple touch of the button.

CPR function

In case of emergency, deflates entire mattress within seconds after a simple touch of a button.

Multiple cycle time

Choose between 5, 10, 15 minutes cycle time for alternating therapy.

Microprocessor driven control panel

For accurate and consistent pressure settings to maximize therapeutic effect.

Visual/audible alarms

Indicate when power failure or when power unit requires service.



Memory recall

Recalls previous setting when the system is turned on.

Rapid inflation

High performance blower inflates entire mattress in seconds.

Internal pressure monitoring

An integrated electronic pressure sensor that monitors the mattress's internal pressure 24 hours a day to achieve optimal internal pressure and ensure maximum pressure relief.

Upright mode

Provides additional support whilst patient is in articulated position to prevent bottoming out.

Maximum inflation mode

Rapidly inflates the mattress to maximum internal pressure for transferring patients or nursing purposes.

Panel lock button

Locks control panel and prevents tampering.

Static Mode

Blower base True Low Air Loss technology provides maximum pressure redistribution, prevents and treats pressure ulcer up to stage IV. The pressure redistribution mattress also encourages excellent skin moisture transference.

Alternating mode

- Imitate the normal body movement in response to pressure
- Varies the supporting points under the body
- Stimulates blood flow, which may promote wound healing

Pulsation mode

- Provides better pulmonary positioning
- Increases oxygen concentration
- Aids in the increase of capillary blood flow and lymph flow
- Helps to increase oxygenation to wound tissue which help improves wound healing.

Pillowed Air™ Mattress ▲

Pillowed Air™ has four Pillow Ports and can support a patient weighing up to 270kg.

Pillowed Air mattress is a True Low Air Loss therapy mattress replacement system designed to treat and prevent pressure ulcer from stage I to IV. Each air cell has a six inch LAL envelopment atop a four inch air protecting chamber that stays inflated during patient transport. 100% Polyurethane translucent air cells that allows visual inspection of the interior.



▲ ● Patient Immersion Envelopment

Envelop, immerse and off load patient body mass by expanding the therapy surface area and depth three-dimensionally. Pressure dampening air pad absorbs vertical shear and provides extra layer of protection against bottoming out.

▲ ● Twenty 6" + 4" Tall Air Cells

Each air cell has a six inch LAL envelopment atop a four inch air protecting pad that stays inflated during patient transport.

▲ ● 360 Degrees Microclimate Therapy

Four LAL vents on each cell to provide moisture control. Along with all the Airrapy accessories, create a comprehensive 360 degrees microclimate therapy.

▲ ● Four Pillow Ports

Four individual adjustable Pillow Port valves regulate air flow to suit individual patient's need of Airrapy's wide assortments of positioning.

▲ ● Directional Snap

Coverlets are attached using snaps, eliminating zippers that create surface area and contaminant collection points.

▲ ● Cross Contamination Prevention

Durable hospital grade mattress base prevents cross contamination.

▲ ● Aetotex Coverlet

Air penetration material allow air to breath through, provide best microclimate.

▲ ● 100% Polyurethane Translucent Air Cells

Allows visual inspection of the interior.

● Expandable Mattress Width

Barripy™ Mattress has Inflatable bolsters on each side of the mattress allow adjustment to the mattress width from 90cm to 105cm or 122cm, to suit your bed frame size.

Barripy™ Mattress ●

Bariatric Therapeutic Support Surface with expandable width from 90cm to 122cm, and support patient up to 450kg.

Barripy Air mattress is a True Low Air Lost therapy mattress replacement system designed to treat and prevent pressure ulcer from stage I to IV. Inflatable side bolster allows mattress width to expand from 90cm to 105cm or 122cm. Each air cell has a six inch LAL envelopment atop a four inch air protecting chamber that stays inflated during patient transport. 100% Polyurethane translucent air cells that allows visual inspection of the interior.



Airrapy™ Accessories

Airrapy Provide safe, effective, patent-pending accessories that connect exclusively to the Airrapy mattress to allow patient-specific airflow and firmness.

Airrapy's pillows and wedges are dynamic and free-flowing superior LAL therapy to assure ideal patient outcomes. Airrapy provides these new tools to help clinicians with the three-dimensional world of healthcare.

360 Blanket

Full length LAL blanket, provides comfort and 360 degrees of microclimate therapy.



Reusable and Disposable Pillows

Reusable – durable nylon with polyurethane pillow equip with removal non-woven pillow case. 5 vents on each side of the pillow to provide LAL therapy. Disposable – skin friendly non-woven with polyurethane lamination, with 5 vents on each side of the pillow to provide LAL therapy.



Cylinder Wedges

8pcs of micro air cells provide LAL therapy and microclimate control to any position needed by the patient.



Torso Wedges

Inflatable triangular air chamber with numerous LAL air vents providing microclimate control and patient support wherever needed.

Airrapods

Airrapods are Patent-pending LAL devices that come in a variety of shapes and sizes. Designed to work with bariatric patients for use between skin folds and under a pannus, to eliminate pressure points, pinch points, skin-to-skin contact and for safer positioning. Airrapods work with the Airrapy Pillow Ports or can be directly connected to the wall air system in any room.



Product Specification

Individual ART. No.

Power Unit.....S2002-3
Mattress.....S2002-2
Coverlet.....S2002-A

Power Unit

REF SR 372 Airrapy Blower (EU/UK/AU)
Power Input.....AC220 - 240V / 50 - 60Hz
AC120V / 50 - 60Hz
Power Consumption.....Max. 10W

Dimension

Power Unit.....29.5 x 22.5 x 12cm
Mattress set (inflated)
Regular – 90 cm x 210 cm
Adjustable to: 105 cm x 210 cm
122 cm x 210 cm

This power unit is not AP/APG protected.

Material

Power Unit.....ABS fire retardant UL
Mattress Cell.....100% PU
Coverlet.....Aeotex

Weight

Power Unit.....5.8kg
Mattress Set.....14~17kg

Operating & Transportation & Storage Conditions

Temperature.....5 ~ 40°C
Humidity.....15 ~ 60%
Maximum Weight Capacity.....450kg

Product Compliance.....EN60601-1, EN60601-1-2



With 30 years of experience, Carilex has built a wealth of knowledge in the field of wound care management and patient care. We have collaborated with leading experts, scholars and researchers in various fields, to develop optimal products with state-of-the-art technology based on pioneering research data. We also work closely with our clients and medical professionals to gain first hand information on patient needs and market demands.

In house design, manufacturing, and quality control ensure Carilex to provide durable and reliable products with the highest standard. All of Carilex's products are made according to stringent medical device manufacturing guidelines and meet the regulatory requirements in most countries.

Carilex is a leading global brand in the market of wound care management. In addition to our headquarter in Germany, we have established offices in the United Kingdoms, the United States of America, and Taiwan. With our strong network of distribution, we reach customers in every corner of the world. Today, Carilex provides our products and services to clients and patients in more than 40 countries.



Carilex Medical GmbH
www.carilexmedical.com
info@carilexmedical.com

EUROPE, MIDDLE EAST & AFRICA

Carilex Medical GmbH
Turmbergstr, 9A,
D-76227 Karlsruhe, Germany
Tel: +49 (0) 721 16 19 835
info@carilex.de

Carilex Medical UK
Unit 14 & 15 Westham Business Park,
Eastbourne Road, Westham, Pevensey,
East Sussex, England, BN24 5NP
Tel: +44(0)1323 761900
Email:mikeupton@carilex.co.uk

ASIA

Carilex Medical, Inc.
No. 77, Keji 1st Rd., Guishan District,
Taoyuan City (333), Taiwan (R.O.C)
Tel: +886 3 328 7882
info@carilexmedical.com