



3D Microclimate Delivery System
Air Therapy - Where You Need It Most

The world's first and only 3D MICROCLIMATE DELIVERY SYSTEM

Airrapy™ — Air Therapy, Where You Need It Most

It's more than a slogan. IT'S A FACT! 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.



Historically

Static foam or gel pillows and wedges were used in patient positioning. These products compress, which creates pressure, heat and moisture, making the art of positioning risky, labor intensive and under-utilized.

The Future

Available now only through Airrapy's innovative Microclimate Delivery System

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.

The Three Pillars of a Superior Therapeutic Support Surface

Weight Redistribution

The ability of a support surface to offload pressure to a specific wound area by redistribution of that weight over the surface of the mattress.

Airrapy is the only product that can isolate a specific limb or part of the body and redistribute that specific mass by using our therapeutic wedges, pillows and Airrapods. Utilizing Airrapy's 3D system allows redistribution of weight in-between and under limbs, lowering the overall mass that is managed by the mattress replacement system (MRS).

Airrapy's superior therapeutic uses (Example)

A 45 year old male bariatric patient with multiple skin folds and pannus suffers from painful red, swollen and irritated skin. During the examination, the clinical team discovers excessive moisture and maceration between numerous skin folds and the development of candidiasis. Applying Airrapods between skin folds and under the pannus relieves pressure, removes heat and eliminates excessive moisture, assuring a better patient outcome and reduced hospital stay.

Patient Immersion Envelopment

Depth of penetration (sinking) into a support surface – the ability to conform to fit or mold around irregularities in the human body.

Airrapy is the only product that can envelop, immerse and off load the patient's body mass by expanding the therapy surface area and depth three-dimensionally. Airrapy achieves true envelopment through our free forming, dynamic LAL positioning devices, which mold to the contour of your patient's anatomy. Immersion is achieved through highly targeted LAL therapy allowing for deeper submersion. Safety during immersion is also important - our pressure dampening air pad absorbs vertical sheer and provides an extra layer of protection against bottoming out.

Airrapy's superior therapeutic uses (Example)

A 70 year old female patient with painful Cellulitis of the lower extremity and who is at high risk of additional skin breakdown has been admitted to a facility. Airrapy provides the tools to elevate and envelop the painful swollen limb into a LAL pillow while immersing the patient into the Airrapy therapeutic mattress system. Our system provides envelopment, immersion and LAL therapy, all while reducing pain and providing a superior patient outcome.

Low Air Loss (LAL) Therapy

A support surface feature that provides a flow of air to assist in managing the heat and humidity (microclimate) of the skin.

Airrapy's powerful, dynamic blower produces 1,800 liters of air per minute, (significantly more air volume than a typical blower) supplying ample air flow to each Pillow Port. Airrapy's wide range of patent-pending pillows, wedges and blankets provide 360 degrees of three-dimensional LAL therapy. Airrapy accessories provide microclimate therapy between skin folds, under the pannus, or over, between and under limbs, providing pressure relief and moisture and heat reduction to areas that our competitors can't duplicate.

Airrapy's superior therapeutic uses (Example)

A 60 year old female patient who is incontinent, suffering from contracture of the lower extremity and has a Stage 3 wound on her left hip. By positioning the patient on her right side, and supporting that position by utilizing Airrapy pillows, this eliminated pressure to the existing wound. An Airrapy LAL pillow was then placed between the patient's legs, and inflated to provide microclimate support, reducing skin-to-skin contact and moisture and heat to tissue damaged from incontinence.

What Makes Up the Airrapy 3D Microclimate Delivery System

AIRRAPY™ Mattress with 4 Pillow Ports™* & Blower

Airrapy's patent pending 3D Microclimate Delivery System provides for the first time a therapeutic support environment that enables targeted microclimate therapy and weight distribution for those areas where a patient needs it most.

Adjustable Pillow Port valves regulate air flow individually to each of Airrapy's wide assortment of positioning devices.



One of four adjustable Pillow Ports™

AIRRAPY™ Reusable and Disposable Pillows and Wedges



We 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, providing superior LAL therapy to assure superior patient outcomes. Airrapy provides these new tools to help clinicians with the three-dimensional world of healthcare.

AIRRAPY™ Airrapods™

Airrapods™ are patent-pending LAL devices that come in a variety of shapes and sizes. First designed to work with our bariatric patients for use between skin folds and under a pannus, Airrapods can now be used in operating rooms 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.



Powerful TheraFlo AP Blower



Powerful blower unit assures appropriate air flow for mattress surface and any positioning devices.

Three therapy modes: static, dynamic, and Pulsate/Deep Breathing Exercise

Easy to use control panel.

Quiet operation for patient comfort.

Built-in carry handle for caregiver convenience.

AIRRAPY™ Infection Prevention Advantages

Airrapy is manufactured with non-porous material that allows "spray, no wipe" cleaning and disinfection. Translucent support cells allow visual inspection of the interior. Coverlets are attached using snaps, eliminating zippers that create surface area and contaminant collection points.



*Quantity of Pillow Ports™ varieties by product.

Superior Patient Immersion Envelopment

Airrapy is the only therapy support surface that can expand the therapy surface area and depth three-dimensionally, providing greater envelopment, immersion, and off loading. Airrapy achieves true envelopment through our free forming, dynamic low air loss positioning devices which mold to the contour of your patient's anatomy. Greater immersion is achieved through highly targeted LAL therapy allowing caregivers to isolate a specific limb or part of the body and redistribute that specific mass. Safety during immersion is also important - our pressure dampening air pad absorbs vertical shear and provides an extra layer of protection against bottoming out.



Above: left leg elevated with standard foam used in typical foam positioning devices

Below: Left leg elevated with Airrapy low air loss pillow



Airrapy Infection Prevention and Construction Advantages



Airrapy is manufactured with non-porous material that allows “spray, no wipe” cleaning and disinfection providing superior disinfection and faster turn around times.

Translucent support cells allow visual inspection of the interior of air cells. One directional snaps allow easy replacement of damaged air cells while preventing accidental separation that may occur as traditional snaps become worn.

Light green casing allows easy visualization of dirt and fluids ensuring more thorough cleaning.

PROVEN PERFORMANCE

Independent S3I testing in accordance with the NPUAP's recommendations and standards proves the effectiveness of the Airrapy products with Best in Class Immersion!!

Models Available:

Pillowed Air: 35.5"W x 83"L x 10"H
1000 lb weight capacity

Bairrapy: Width expandable 36" to 42" to 48" x 83"L x 10"H
1000 lb weight capacity

