

# ARJOHUNTLEIGH

GETINGE GROUP

**THERAKAIR VISIO™**  
ADVANCED LOW AIR LOSS  
PRESSURE RELIEF WITH  
PULSATION THERAPY



...with people in mind

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**ADVANCED LOW AIR LOSS PRESSURE  
RELIEF WITH PULSATION THERAPY**

# THE CLINICAL CHALLENGE: PROTECTING THE SKIN IN MEDIUM TO HIGH RISK PATIENTS

## PRESSURE ULCERS: A SIGNIFICANT ISSUE.

Pressure ulcers present a severe challenge for healthcare professionals globally, resulting in increased morbidity and mortality, as well as compromised quality of life for many patients. Pressure ulcers can also negatively impact healthcare facilities, resulting in increased caregiver workloads, higher costs and longer patient hospital stays.

The 2004 EPUAP<sup>1</sup> pressure ulcer survey has established the following:<sup>3</sup>

**18%**  
of patients within hospitals  
have a pressure ulcer

**27%**  
of at-risk patients received  
no preventative care

The 1999 NPUAP<sup>2</sup> pressure ulcer survey has established the following:<sup>4</sup>

**15%**  
of patients within  
hospitals have a  
pressure ulcer

**50%**  
of patients with  
a pressure ulcer  
acquired it while  
in the hospital

**4.6%**  
increase in overall  
prevalence of  
pressure ulcers  
from 1995

As a result, hospitals and care providers are significantly impacted:

- Pressure ulcer incidence is becoming a key indicator of care
- Pressure ulcer development increases a patient's risk of further complications (e.g., nosocomial infections, pain, delayed healing)
- Quality of care can suffer among the patient population

## CLINICAL CONSIDERATIONS: RISK OF PRESSURE ULCER DEVELOPMENT

PRESSURE ULCERS CAN ORIGINATE FROM A VARIETY  
OF ENVIRONMENTAL FACTORS, INCLUDING:



### PRESSURE

A result of immobility, applied pressure compresses the body tissue between the support surface and a patient's bony prominences.

#### Clinical issue:

Occludes capillary blood flow resulting in tissue damage.

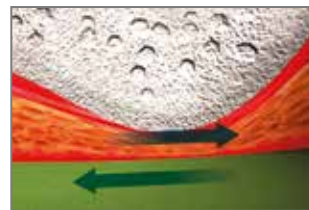


### SHEAR

Skin shear occurs when opposite forces acting parallel to the skin surface cause the skin to stretch or tear from the underlying connective tissue.

#### Clinical issue:

Causes capillaries to elongate, diminishing blood flow and resulting in tissue damage.

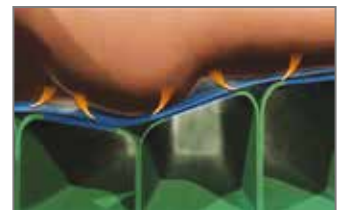


### FRICION

Friction is the resistance to motion of the external tissue sliding in a direction parallel to the support surface.

#### Clinical issue:

Leads to epidermal stripping resulting in tissue damage.



### MOISTURE AND TEMPERATURE

Moisture is emitted through the skin as sweat to control body temperature, but moisture must be removed to preserve skin integrity. Excessive body heat emission results in excessive moisture output.

#### Clinical issue:

Weakens the skin and increases level of friction and shear resulting in tissue damage.

1 European Pressure Ulcer Advisory Panel

2 National Pressure Ulcer Advisory Panel (USA)

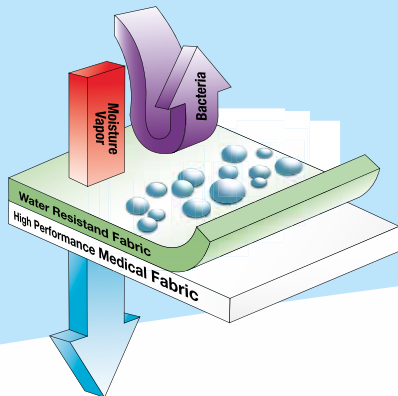
3 Vanderwee, K. MA RN, et al. Pressure Ulcer Prevalence In Europe: A Pilot Study. Journal of Evaluation in Clinical Practice. 13(2): 227-235, 2007.

4 Amlung, S. PhD, et al. The 1999 National Pressure Ulcer Prevalence Survey: A Benchmarking Approach. Advances in Skin & Wound Care. 14(6): 297-301, November/December 2001.

# THE SOLUTION: THERAKAIR VISIO™

## DESIGNED TO HELP PREVENT AND TREAT PRESSURE ULCERS BY RELIEVING PRESSURE, SHEAR AND FRICTION WHILE MANAGING MOISTURE

The TheraKair Visio™ provides an ideal environment to protect and heal a patient's skin, while increasing patient comfort through Low Air Loss pressure relief, Pulsation Therapy and High Performance Medical Fabric.



### 1 Manages Oedema

Pulsation Therapy mimics the body's natural movements, encouraging lymph and blood flow for increased oxygenation to the skin, reduced risk of skin damage and support for wound healing.

## HIGH PERFORMANCE MEDICAL FABRIC: OPTIMIZED SKIN MANAGEMENT

High Performance Medical Fabric allows a controlled rate of airflow over the patient's skin, removing excess moisture and maintaining a constant skin temperature, whilst preventing bacterial contamination.

- High moisture vapour transmission rate (MVTR) to prevent skin maceration
- Smooth material reduces frictional drag and shear
- Waterproof to reduce contamination of mattress
- Bacterial barrier to help prevent infection

### 2 Prevents Friction and Shear

Even pressure distribution and a smooth surface reduces frictional drag and shear on the patient's skin, reducing the risk of skin damage.



### 3 Simplifies Caregiver Control

Intuitive touch screen controls allow for easier nursing operation.

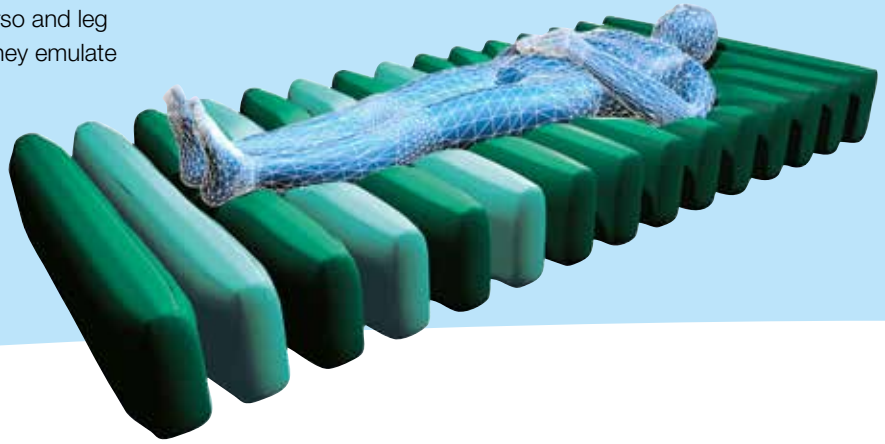


### MANAGING OEDEMA THROUGH PULSATION THERAPY 3,4

Pulsating air suspension therapy automatically alternates cushion air pressures in chambers under the torso and leg causing pulsation. Running from foot to head, they emulate the body's natural intermittent movements.

Clinical benefits:

- Improves capillary blood flow
- Increases oxygenation to the wound and skin
- Stimulates lymphatic flow
- Reduces oedema
- Reduces pressure-induced pain



#### 4 Controls Moisture and Temperature

High Performance Medical Fabric helps maintain skin integrity by preventing maceration while maintaining a constant skin temperature, minimizing the risk of pressure ulcer development.



#### 5 Improves Comfort

Low Air Loss Therapy conforms to bony prominences, minimizing tissue deformation to help prevent skin damage and pressure induced pain.

## THE COMMITMENT: IMPROVING PATIENT OUTCOMES

### YOUR PARTNER IN PRESSURE ULCER MANAGEMENT

ArjoHuntleigh is a global medical company leading the industry with therapies that help the healing process and help reduce complications. As your partner in the prevention and treatment of pressure ulcers, our goal is to help improve clinical outcomes while reducing the overall cost of care with clinical technologies, education programs and support services.

#### TESTIMONIAL

**Dr. G.W. Cherry, DPhil (OXON)**

“The unique combination of pulsation and Low Air Loss improves microcirculation and lymph flow, supporting wound healing and the prevention of pressure ulcers.”

# THERAKAIR VISIO™

## ADVANCED LOW AIR LOSS PRESSURE RELIEF WITH PULSATION THERAPY



### Product Specifications

Mattress Weight	13.2 kg
Therapy Unit Weight	6.3 kg
Mattress Dimensions	208 x 90 x 20.3 cm 208 x 80 x 20.3 cm
Therapy Unit	41.2 x 26.4 x 21 cm

TheraKair™ MRS units have specific indications, contraindications, safety information and instructions for use. Please consult product labeling and instructions for use prior to use.

Only ArjoHuntleigh designed parts, which are designed specifically for the purpose, should be used on the equipment and products supplied by ArjoHuntleigh. As our policy is one of continuous development we reserve the right to modify designs and specifications without prior notice.  
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