



High comfort and pressure redistribution with responsive SmartCell™ Technology

The *Invacare Vicair Academy* mattress provides a unique combination of superior pressure redistribution, comfort and optimal positioning, making it suitable for clients at **'Very High Risk'*** of developing pressure ulcers. Using static air therapy the mattress offers a supportive dynamic service that minimises shear and friction forces.



How SmartCell™ air technology works

Vicair® technology offers ultimate pressure redistribution, stable positioning and comfort using SmartCell™ Technology

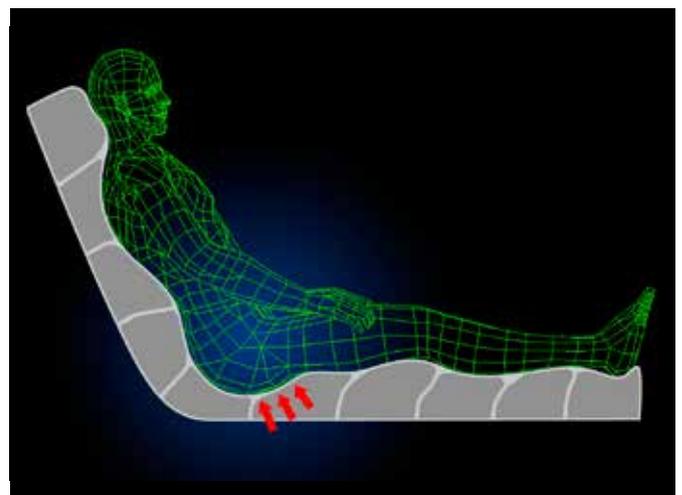
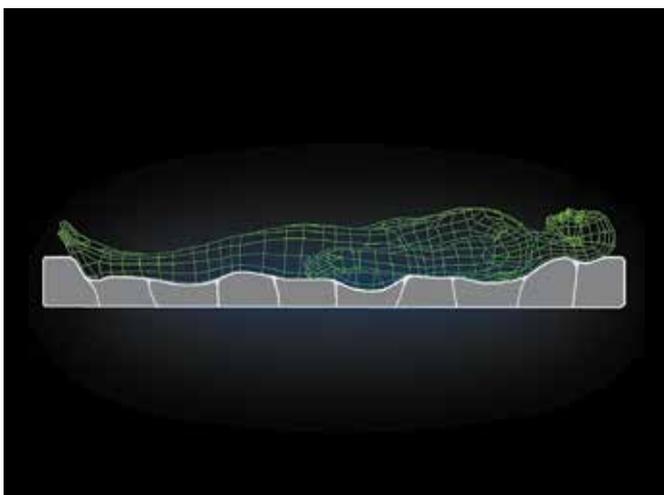


Sections containing SmartCells™



The **Vicair** SmartCell™ technology is a unique and innovative therapy, that provides the movement of a dynamic surface, whilst also providing a supportive interface. Hundreds of small triangular shaped air filled cells (SmartCells™) provide the optimum patient interface. The small air filled cells are contained in strategically placed individual compartments, which offer a pressure redistribution surface with the comfort of patient immersion. The flexible, fabric coated SmartCells™ have a low friction level, so when they are in contact with each other they continuously adapt and conform to the body's contours. The **Vicair Academy** mattress is composed of 36 SmartCell™ sections, individually divided and pliable, thereby minimizing shear and friction forces, and redistributing tissue interface pressure.

Vicair Academy 415 Mattress offers support when the patient is lying down or in an upright position



Poor posture can greatly increase the risk of **shear**, a major contributing factor to the development of pressure ulcers. The **Vicair Academy** mattress can be adjusted in SmartCell™ density and customised to fit the patient's body, offering tailored postural support, helping to minimise the risk of tissue damage from shear. SmartCells™ provide a dynamic surface that can be adjusted to accommodate a range of postural asymmetries and patient conditions.



Vicair Academy mattress construction

As well as compartments filled with SmartCells™ to assist with the maintenance of stability, the **Academy** mattress also has a sturdy foam base layer. The compartments themselves are contained in a loosely fitted waterproof outer cover. This extra material ensures the effects of 'hammocking' are minimised, ensuring optimum interface therapy.

To safeguard that sheets are not fitted too tightly, the mattress has double rings on each corner to secure corners loosely.



Transportation and storage

The mattress weighs only 10kgs, can be folded for ease of storage and has 4 carrying handles for transportation.



Effective therapy for the prevention of pressure ulcers

The component parts of the **Vicair Academy 415** mattress allow for a dynamic **non-powered support surface** that offers therapeutic benefits to the patient.

The innovative design of the SmartCell™ results in a mattress that is safe, effective and easy to maintain with the benefit of being lightweight. There is no risk of mattress deflation; in the unlikely event of a SmartCell™ being damaged, a replacement can be obtained and replaced easily with minimal disruption to patients or staff.

Suitable for patients at 'Very High Risk'* of developing pressure ulcers the **Academy 415** mattress greatly reduces friction and shear forces even when the patient is sitting in an upright position. Its design can be useful in cases such as rheumatism, burn injuries, cancer, terminal illness, spasms, kyphosis and in pain management, with cells moving independently of each other and continuously adjusting to immerse the patient's body.

Its innovative design can be an effective support surface for patients experiencing high levels of pain, body spasm or postural alignment issues, in situations where other mattress types have proved to be uncomfortable. Available in standard and plus (bariatric) sizes, the **Vicair Academy 415** mattress can accommodate many different patients in the community or acute environment.

Order Code	Order Code
ARM415	ARM3 Plus size (Bariatric)
Max User Weight 250 kg	Max User Weight 500 kg

Technical Data

							
ARM415	Std Width: 80, 85, 90 cm	Std Length: 195, 200, 205, 210 cm	Height: 15 cm	Weight: 10 kg	Max. Client Weight: 250 kg	Cleaning: 60° C The outer cover of the Academy mattress can be machine washed at 60° C	
ARM3	115, 120 cm	200 cm	15 cm	10.5kg	500 kg		

Colour



Navy blue

Fire Retardant

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be correct at time of print.
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* Essential nursing care is pivotal in pressure ulcer prevention. This mattress will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value



Yes, you can.®