



Invacare® | **Vicair® Academy Mattress 415**

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



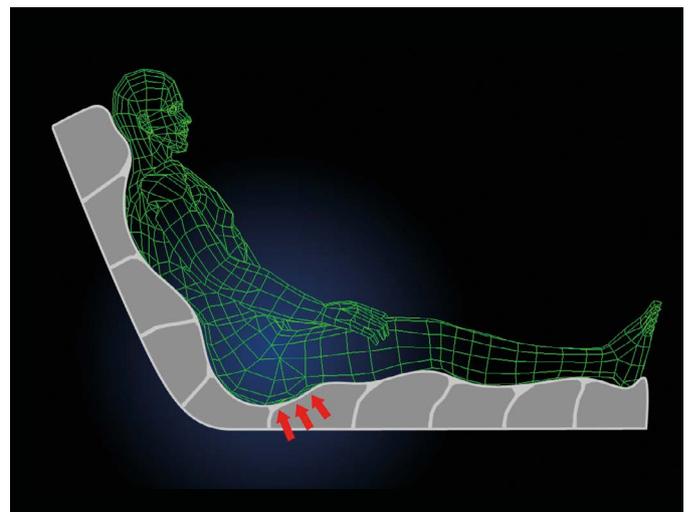
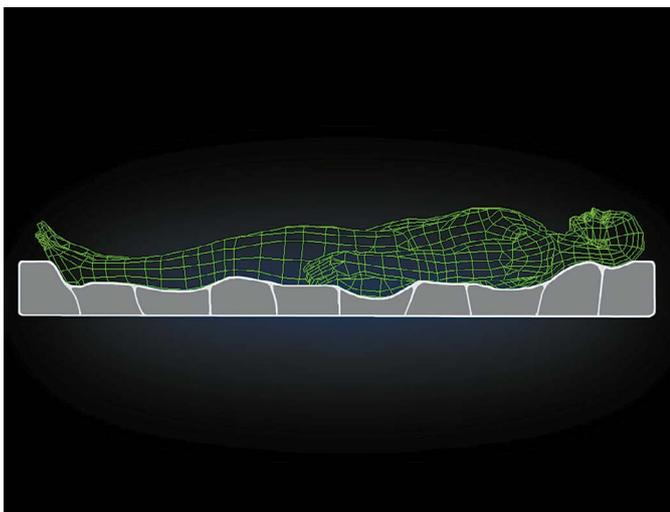
Sections containing SmartCells™



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

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.

Features and options



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

For more information about this product, including the product's user manual, please visit www.invacare.co.uk.

	Std. width	Std. length	Height	Total product weight	Max. user weight	Max. cleaning temperature
ARM415	800, 850, 900 mm	1950, 2000, 2050, 2100 mm	150 mm	10 kg	250 kg	60° (outer cover)
ARM3	1150, 1200 mm	2000 mm	150 mm	10,5 kg	500 kg	60° (outer cover)



Colour

Navy blue



Fire Retardant

* 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

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