



INNOVA[®]
CARE CONCEPTS



SOMLENT[®]

Pressure Care Range

4TH EDITION

innovacareconcepts.com

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/ Our Story.

Back in 2008, Innova was born. Our purpose? To revolutionise the world of healthcare equipment, to bring innovation into the heart of a complacent industry, and to enhance quality of life. Today, we like to think that we're well on the way to achieving our goal. Never before has the healthcare industry seen such life-changing and aesthetically pleasing products. But our story doesn't stop there. We'll continue to push the boundaries. Because we're not just a company. We're a movement forward, a change for the better.

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/ About Pressure Ulcers.

What are pressure ulcers?

Pressure ulcers are areas of localised damage to skin and underlying tissue, caused by continuous occlusion of blood vessels that supply oxygen and glucose to the tissues due to excessive pressure, shear, or a combination of the two¹. A number of contributing or confounding factors are also associated with pressure ulcers; the significance of these factors is yet to be clarified².

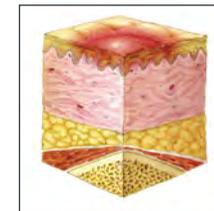
What are the costs?

The cost of preventing and treating pressure ulcers is difficult to identify as the cost is distributed across many different areas of patient care. A study completed in 2004 suggests that the cost of treating ulcers varies from £1,064 for a category 1 ulcer to £10,551 for a category 4 ulcer. The total cost of pressure ulcers in the UK is estimated as being £1.4-£2.1 billion, which equates to 4% of the NHS budget³. The European Pressure Ulcer Advisory Panel (EPUAP) encourages clinicians to consider the cost, quality of equipment, and maintenance costs of replacement parts and decontamination.

What is the role of support surfaces in pressure ulcer prevention?

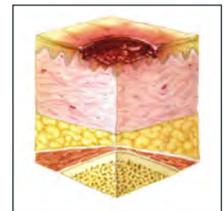
Support surfaces are defined as 'specialised devices for pressure redistribution designed for the management of tissue loads, microclimate, and/or other therapeutic functions⁴. Of the available support surfaces, alternating pressure air mattresses that intermittently remove pressure from some areas of the body, while maintaining pressure on others, have been shown to be effective⁵. For patients at risk of pressure ulcers, higher-specification support surfaces should be used as part of a prevention strategy⁶.

Categories of Pressure Ulcers:



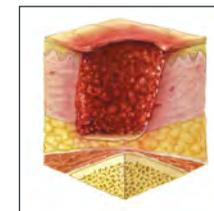
Stage I

Skin is not broken but is red or discolored.



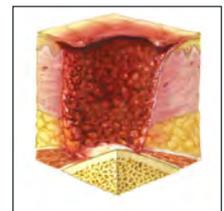
Stage II

The topmost layer of skin is broken, creating a shallow open sore. The second layer of skin may also be broken.



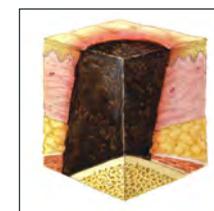
Stage III

The wound extends through the second layer of skin into the fat tissue. Bone, tendon and muscle are not visible.

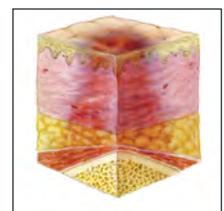


Stage IV

The wound extends into the muscle and can extend as far down as the bone.



Unstageable



Suspected Deep Tissue Injury

/ Introducing the Somlent® Range.

Many air mattresses are good at what they do. They provide excellent pressure relief, and help to prevent or even heal pressure ulcers.

There's just one problem. It's a problem that many companies are ignoring. However, with a mission statement of 'to enhance quality of life through innovation', this problem wasn't one we could overlook.



That problem was comfort.

Many air mattresses are hard, noisy, and create a buzzing sensation. After much research, development, and testing, we set to work. The result?

The Somlent® mattress range.

STANDARD FEATURES OF ALL SOMLENT® PRESSURE CARE PRODUCTS:

The Cover

The patient contact surface cover on all Somlent® products are made of polyester fabric with a polyurethane film coating containing silver ions. This smooth, bi-elastic material minimises the friction and cutting forces responsible for the formation of lesions. The breathable, waterproof material facilitates the removal of any product of incontinence or sweat, thus helping to prevent skin maceration. Being antibacterial (thanks to the silver ions), antifungal and antistatic, it prevents the formation of an unhealthy microenvironment between the skin and the device. The cover is fire-proof, completely removable, and can be machine washed up to 95°C if required (60°C is the recommended temperature for standard washes).

Covers on mattresses have an antislipping base with straps and snap release buckles in order to fasten the surface to the bed.

Seams on our mattresses are welded for the ultimate in infection control.

/ The Somlent® Serene Hybrid.

Never before has a hybrid mattress been so advanced, so innovative, and so versatile.

The Somlent® Serene is the world's first 3 in 1 alternating hybrid mattress. Not only that, but when the pump isn't attached, it's not just a foam mattress – the cells are filled with both foam and air, allowing the air to flow freely from cell to cell, and contouring freely to the patient's body.

When a patient requires greater pressure care, just connect the pump to step the mattress up to an alternating surface. This minimises delays and eliminates the need to carry out a patient transfer at a time when their condition has deteriorated and they may be experiencing pain and discomfort. Whilst this type of powered hybrid system has been shown to promote healing of pressure ulcers⁷, it can also reduce reliance on standard alternating pressure mattresses, reducing costs and space needed for storage. The Somlent® Serene is also designed to be cleaned on the ward

in the same way as a standard foam mattress, greatly reducing decontamination costs.

The integrated foam core in each cell is castellated for optimum pressure relief and comfort. The air movement is not restricted by a top layer of foam, and less air is required to inflate the cells, allowing the pump to be smaller, quieter, and more efficient. There's no vibration or motion sickness⁸ when the pump is in use, and there are smaller cells at the foot end for improved pressure reduction for the heels and legs.

Options include a waterproof U-core cover for the ultimate in infection control, and an integrated fall prevention sensor mat system.

Excellent feedback due to improved patient experience, and a high waterlow score of 19 to 22 provides the final proof that this hybrid mattress is like no other. Need we say more?

Watch the video on our website at www.innovacareconcepts.com



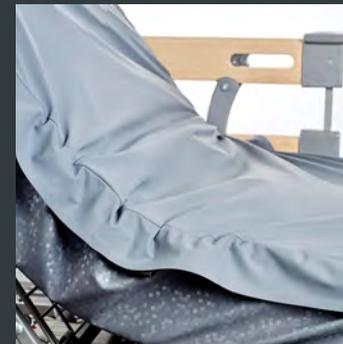
Specifications:

Max User Weight: 240kg
Length: 1950mm, 2000mm, 2200mm
Width: 850mm, 900mm, 1100mm, 1200mm
Depth: 150mm
Product Weight: 20kg

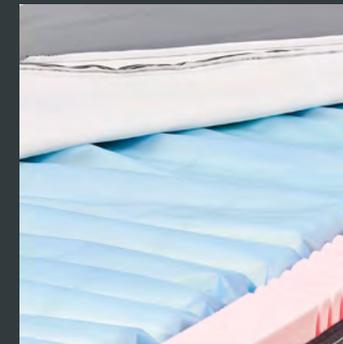
Despite the way the mattress provides excellent pressure reduction, it is only 15cm thick meaning that it conforms to the side rail specifications with ease. Bariatric and special size Somlent® Serenes are available on request.



Below: The standard pump has a comfort dial and can be switched to static mode if required. There's also the option of an advanced digital pump.



Special cut-outs in the foam U-core enable the Serene to contour fully to the profiling mattress platform.



Smaller cells at the foot end offer improved pressure reduction for the heels and legs.



Castellated foam inside the cells provide optimum comfort and pressure reduction.



When the pump is not in use, just plug the pipes into the sockets at the end of the mattress, which allows the air to circulate inside the cells.



Loops on the side of the mattress hold the pump wire in place, stopping the wire getting caught by a mobile hoist.



When in alternating mode, if there is a build-up of pressure on one of the inflated cells, air is still able to be displaced from this cell for the ultimate in pressure reduction.

/ The Somlent® Serene Genius.

The brilliance of the Somlent® Genius cannot be over-stressed – it's a mattress that's both extremely comfortable and provides exceptionally effective pressure redistribution and relief.

This is not an alternating air mattress – instead it uses a continuous low pressure system which ensures that pressure remains constantly below capillary occlusion pressure. This means that no air cells ever need to be deflated to release stress on any area of the body. The mattress incorporates 3 independent sensors (head, torso and legs), and the inflation of each section is adjusted instantaneously at the slightest movement or change in weight or position. This is

a world first – no other mattress available has ever incorporated this level of sensitivity!

This mattress is classed as suitable for 'very high risk', and we genuinely believe that it's the future for both pressure ulcer prevention and treatment. It's particularly well-suited for post-trauma clients, hospices, and palliative care, as it's much quieter and more comfortable than an alternating air model.

Rather than using standard circular cross-section cells, the cells are made from a softer material in a cross-section of an open figure-of-eight shape. This allows the user to sink into it more, providing greater comfort and pressure redistribution.



"Is this an air mattress?"
Palliative care patient feedback at a UK hospice



Figure of '8' Shaped Air Cells

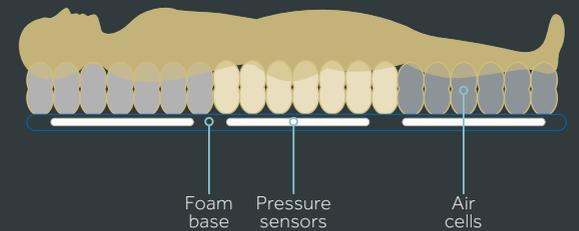


Advanced Compressor

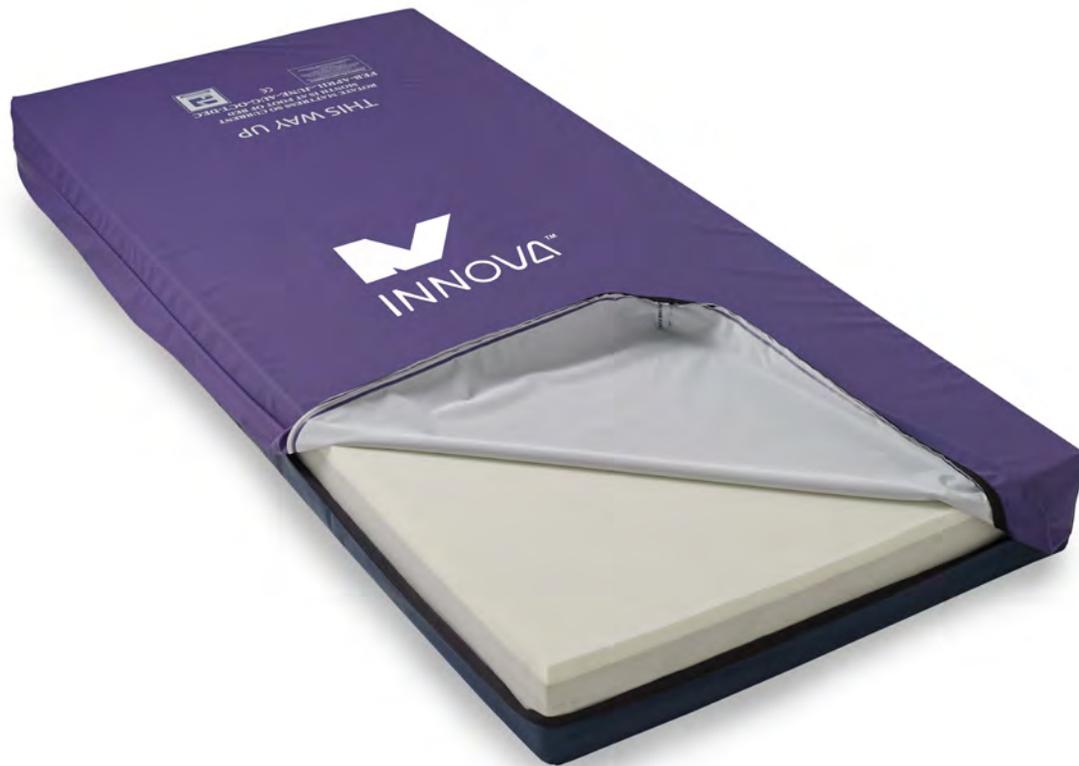
Specifications:

Max User Weight: 39½ Stone (250kg)
Length: 2000mm
Width Options: 800, 850, or 900mm
Depth: 230mm
Special sizes available on request.

Please contact us for clinical evidence.



/ Foam Mattresses



Visco Sandwich

With a core of supportive foam, sandwiched between a top and bottom layer of Visco memory foam, this mattress offers medium pressure relief.

It's available in single, double, or custom sizes, all of which come with a two-way stretch waterproof and breathable cover.



Reflex

The Reflex has supportive base foam with a top layer of soft, 'castletop' cut foam which helps to distribute pressure. This offers medium to high pressure relief, and feels softer than the Visco

Sandwich foam mattress. It includes a two-way stretch waterproof and breathable cover, and can be supplied as a single, double, or custom-made size.

REFERENCES:

1. Wounds International. Pressure, shear, friction and microclimate in context. An international review. Wounds International, 2010.
2. European Pressure Ulcer Advisory Panel (2009). National Pressure Ulcer Advisory Panel Quick Reference Guide.
3. Bennett G, Dealey C, Posnett J (2004). The cost of pressure ulcers in the UK. Age Ageing 33 (3): 230-5.
4. National Pressure Ulcer Advisory Panel Support Surface Standards Initiative, 2012.
5. McInnes E, Jammali-Blasi A, Bell-Syer SE, et al. Support surfaces for pressure ulcer prevention. Cochrane Database Syst Rev 2011; 13(4):CD001735.
6. NICE. Pressure ulcers. Prevention and management of pressure ulcers. NICE guidelines CG179, 2014.
7. Rafter L. Evaluation of clinical outcomes: pressure ulcer prevention mattresses. Br J Nurs 2011; 20(11):S22-28.
8. Beldon P (2002) Transfoam Visco: evaluation of a viscoelastic foam mattress. Br J Nurs 11(9):651-5.

**The most innovative
healthcare equipment
in the world.**

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