



A clinically proven solution for ‘Very High Risk’* patients

The *Invacare SoftAir Excellence* alternating mattress replacement system is a high quality solution that delivers effective pressure relief for the prevention and treatment of pressure ulcers in the ‘Very High Risk’* patient.

The *SoftAir Excellence* is suitable for use in all care settings and is appropriate for the treatment of **severe pressure ulcers**.



Suitable for ‘**Very High Risk**’* patients

Trusted Solutions, Passionate People





SoftAIR Excellence mattress

The patient interface consists of 19 dynamic alternating air cells, with the inclusion of 5 low pressure micro cells for the heel region. **Micro cells specifically address the vulnerability of the delicate heel tissue** and is a valuable contribution to the prevention and treatment of severe pressure ulceration. The patient's head is supported by **3 static head cells**, assisting with **rest, comfort and positioning**.

The 1:3 air cyclical motion **encourages micro circulation** at the patient interface, while anchored down cells completely conform to the patient interface ensuring that cell migration is entirely eradicated. This in turn delivers effective therapy and offers optimum positioning and a high level of comfort.

An effective therapy for the reduction of shear forces

Permanently inflated side walls aid transfer by offering a semi **stable transfer platform ensuring shear forces are minimized**. The unique hinged base conforms effectively to a profiling bed to ensure a **smooth interface**, thus **reducing the risks of shear** to the **vulnerable sacral region**.

A perfect fit with profiling bed frames

The **SoftAIR Excellence** system is fastened to the bed base with highly durable retaining straps and secured with easy-fit robust attachment clips. To ensure effective therapy and for ease of bed-making, sheet loops are positioned on each corner of the mattress to prevent over tightening of bed linen.



Secure transportation

The **transportation clip** is attached to the hose to ensure consistent cell inflation during transfer. The mattress will remain inflated for a **minimum of 30 hours**, ensuring the patient is supported on a pressure redistributing surface when mains supply is unavailable.

Heavy duty clip (30 hrs inflation for transfer)



19 dynamic alternating air cells



Durable retaining straps



SoftAIR Intelligent Control Unit

The **SoftAIR pump** incorporates a number of intelligent soft touch buttons to allow **pressure adjustment**, such as alarm silence mode and lock panel functions. The mode can be adjusted to static during nursing intervention, providing a stable support surface if required. An effective **safety feature** ensures **alternating therapy** is automatically **resumed after 30 minutes**.

The auto pressure detection facility automatically senses back pressure, ensuring the **air cell inflation is optimum at all times**. Both audible and visual alarms will activate in the event of low pressure or power failure. Ergonomically designed, lightweight, and with clean lines, the **SoftAIR Excellence** power unit is easy to care for and contemporary in its construction.

Features and Benefits



360° Quick Zip

All round zip with quick release facility, the top cover allows convenient, complete removal for laundering.



Handles

For ease of handling and transportation.



Sheet Loops

Allows the bed sheet to be loosely secured to the mattress to ensure optimal function of the mattress.



Hinged Back

Designed for effective profiling and shear reduction when used with a profiling bed.



Infection control taken care of

The multi stretch **vapour permeable cover** has **high frequency welded seams** to prevent fluid ingress and associated mattress contamination. A covered 360° quick release zip for ease of inspection and rapid removal, allows for the cover to be laundered to 95°. The cell construction has been designed for ease of access to all internal surfaces for uncomplicated cleaning.



CPR Facility

The quick release CPR tag can be pulled to rapidly deflate the patient support surface when required. Located at the head end of the mattress, the optimum position and highlighted activation tag ensures effective location in the event of an emergency.



Wheeled transportation kit

The **SoftAir Excellence** mattress system can be easily rolled and transported in a heavy duty, wheeled transportation bag. The compact bag with handles allows for easy manoeuvre and offers a convenient storage solution. A separate padded compartment within the transportation bag facilitates equal protection for both the power unit and mattress. The bag is also foldable and washable for ease of storage and to prolong its use.

Technical data



SoftAIR Excellence
 Narrow
 2000 x 830 x 250 mm
 Wide
 2000 x 880 x 250 mm



12,5 kg



180 kg
 (28.4 stone)



Cleaning 95° C
 Refer to instructions
 for use and relevant
 infection control
 guidelines

Manufactured to European Standards:
 BS EN 597-1 Cig, BS EN 597-2 Match,
 BS7177: 1996 Crib Source 5

Clinical Evaluation

The **SoftAIR** Dynamic mattresses have been developed and built following the principles set down in published clinical papers, freely available in the public domain. The four leading papers in this field are :

1. Exton-Smith AN, Sherwin RW (1961). The Prevention of Pressure Sores: Significance of Spontaneous Bodily Movements. The Lancet (Vol. 2); 1124- 1126.
2. Kosiak M (1961). Etiology of Decubitus Ulcers. Archives of Physical Medicine and Rehabilitation (Vol. 42); 19-29.
3. Landis EM (1930). Micro-injection Studies of Capillary Blood Pressure in Human Skin. Heart (Vol. 15); 209-228.
4. Lee KM, Madsen BL, Barth PW, Ksander GA, Angell JB, Vistnes LM (1984). An In depth look at Pressure Sores Using Monolithic Silicon Pressure Sensors. Plastic and Reconstructive Surgery 74 (Vol.6); 745-756.

These papers are available to be used as an additional tool for clinical nurse advisers and should be used in conjunction with the results of local evaluations of the **SoftAIR** products.

Customer Testimonial

*"Avondale Care is committed to providing the highest levels of care. The **comfort and safety** of our service users is paramount, so the evaluation and correct selection of specialist equipment is key.*

*Avondale has selected the Invacare **SoftAIR Excellence Dynamic mattress system** for its ability to provide exceptional comfort for service users who require effective prevention and management of pressure ulcers up to Grade IV.*

*As an organisation that manages the **needs of very frail and elderly clients**, we feel the **'anchored' cell construction** and the **hinged backrest** offers benefits for stability and positioning and **reduces the risk of shear related injury**.*

*Overall the **SoftAIR Excellence** is an **effective product** that is suitable for the needs of Avondale Care, our staff and our most vulnerable service users."*

Adrian Hendry
 Director
 Avondale Care Scotland Ltd

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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. Assessment tool referenced is Waterlow Scale.

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Warranty (Pump and Mattress): 2 years



Yes, you can.®