



Highest Quality

Discounted Prices

Try Before  
You Buy

Pressure Relieving  
Mattresses & Seating





### ■ Squirrel Medical

Squirrel Medical specialise in the research, manufacture and distribution of a wide range of pressure relieving devices. These items are designed to assist in the prevention and treatment of pressure ulcers and include alternating air mattresses, specialised seating and various ancillary products.

### ■ Ethos

Our ethos is to create easy to use pressure care systems that are simple to use, easy to clean and that achieve optimum results. Squirrel products are sensibly constructed and where possible, are designed to use off the shelf components. This means that our products are service friendly, thus allowing longer term, lower cost and third party maintenance.

### ■ Try Before You Buy

Our powered mattresses and seating have over the years developed a reputation for being easy to use, effective and for being competitively priced. However, each of us is unique and so we are normally able to offer a no quibble 14 day try before you buy for all potential customers, ring for details.

### ■ Training

Our shared belief is that pressure care products are an aid to assist in care rather than a substitute for care, and that training, time and awareness are at least of equal importance. We therefore produce a range of free and cost effective tutorials which can be accessed via our web site [www.squirrelmedical.com](http://www.squirrelmedical.com).



### Caution:

Squirrel Medical pressure mattresses and cushions are designed as an aid to care not as a substitute for care. When we indicate medium, high or very high risk, this is assuming that the client will receive high levels of professional nursing care.

*Correct at the time of going to press. E&OE.*

**FREE pressure sore preventions  
and treatment information inside**





### Customer Testimonial

"Our client, a lady aged 96 had suffered a stroke. Due to her Phycosis it was difficult to ensure adequate dietary intake to maintain her BM levels.

Due to her being bed bound her heels rapidly broke down leaving a small grade 2 pressure ulcer.

After placing her on a Squirrel 9000 Air Mattress her heels began to improve.

At approximately 8 days no further deterioration of this condition occurred and then the ulcer started to show signs of recovery. At approximately 41 days her heels had completely healed.

We continue to care for her on this mattress."

Matron - J Pallister

Full Testimonial at - [www.Squirrelmedical.com](http://www.Squirrelmedical.com)



The Squirrel 9000 is one of the sectors most popular entry level mattresses and can be used on most domestic divan, nursing or electric hospital beds. It consists of 16 sequentially inflating / deflating cells that gently alternate the surface interface pressures between the mattress and patient.

These soft form cells are situated within an extremely comfortable but resilient waterproof cover that can also prevent ripple marks.

Perfect for community and care home use, the Squirrel 9000 has been designed to be easy to use and maintain. It is easy to operate as it simply plugs into the mains and features a simple comfort control.

This mattress comes complete with user friendly settings including manual pressure adjustment, visual power off and CPR. Its ultra quiet pump coupled with its incredible price makes it one of our most popular mattresses.

### FEATURES

- Easy to use pump
- User friendly controls
- 16 soft form cells
- Zipped quilted water proof cover

### SPECIFICATION

- Pressure Range: 30-60mmHG
- Air Output: 4-6 Litres
- Cycle Time: 10 minutes
- Noise: Less than 30db
- Maximum weight: 17 stone / 108kg
- Dimensions: 198cm x 88cm x 13cm (79"x35"x5")

# Squirrel 9000 - Alternating Overlay Mattress - Medium Risk

**Try Before You Buy**



Replacement covers are available at nominal cost for greater hygiene.

Each alternating cell gently re-distributes the surface (interface) pressures of the patient during a 10 minute cycle, thus assisting the prevention of tissue damage



Simple to use pump with easy change filters

**£339**<sup>+VAT</sup>

**RRP £499**

**SAVE £160**

## Overlay Mattresses

Unbeatable Prices | Highest Quality | Quick Delivery | Contact Your Dealer now !



### Customer Testimonial

"An elderly female resident was admitted to our home with very poor mobility and both of her legs were Odematius.

She had developed a small grade 2 pressure ulcer on her previous mattress.

We therefore transferred her to a Squirrel 9100 overlay.

After 9 days the sore was noted to be visibly getting better and after a further 38 days the sore had completely healed. Her skin became quite intact and we suggest that the Squirrel 9100 is perfectly adequate for this kind of resident.

In my professional capacity I believe that the Squirrel 9100 is, in terms of patient care at least equal to that of other air flow mattresses used within the industry."

Matron - G Berry

Full Testimonial at - [www.Squirrelmedical.com](http://www.Squirrelmedical.com)



The Squirrel 9100 is one of our most popular overlays, and due to an array of special features offers the highest levels of comfort and therapeutic pressure care.

It is primarily designed for people at high risk of pressure sores and includes an ingenious 24 cell (multi therapy) system - that can assist in their effective prevention.

This feature packed mattress is built to a robust specification and is designed to last. It can be used in various nursing environments including hospitals, nursing homes and domestic home care.

With a host of easy to use features coupled with an ultra low price, the Squirrel 9100 is an excellent low cost alternative for those seeking optimum pressure care.

#### FEATURES

- Durable lasting design
- Easy to use
- 24 Soft form cells
- Zipped quilted water proof cover (PU option)
- Pressure weight limit 25 stone / 160 kg

#### SPECIFICATION

- Pressure Range: 30-60mmHG
- Air Output: 4-6 Litres
- Cycle Time: 10 minutes
- Noise: Less than 30db
- Maximum weight: 25 stone / 160kg
- Dimensions: 198cm x 88cm x 13cm (79"x35"x5")

## Squirrel 9100 - Therapy Overlay Mattress - Managed High Risk



**£579<sup>+VAT</sup>**

**RRP £879**

**SAVE £300**

## Overlay Mattresses

Unbeatable Prices | Highest Quality | Quick Delivery | Contact Your Dealer now !



### Customer Testimonial

"The client was transferred to a Squirrel 9200 alternating mattress. A careful turning regime was implemented and in conjunction with good nursing care, with particular attention to nutritional status, the ulcer started to improve at 9 days and, after 34 days, had healed. The redness on the heels also disappeared.

This client, whom we categorised as very high risk used the Squirrel 9200 mattress for the duration of her stay and the vulnerable skin areas remained intact.

We have been very satisfied with these mattresses and have used them in a variety of situations."

Matron - S Peters

Full Testimonial at - [www.Squirrelmedical.com](http://www.Squirrelmedical.com)



The Squirrel 9200 is designed so that the client is literally sleeping on a soft series of temperate air (cells) some of which permeates through special laser cut holes. The gentle flow of air helps to reduce excess moisture, whilst the 24 torso cells gently alternate, causing a pleasant therapeutic sensation that stimulates the capillaries. Capillary stimulation can help to ensure that tissue oxygenation and nutrition occurs, alongside the removal of waste toxins.

This product is one of the most competitively priced Micro Low Air Loss systems available, making it a firm favourite with those looking for optimum performance at a fraction of the cost. It is easy to use and includes a special quilted waterproof cover, CPR and discreet pump. This is a true M-LAL mattress that has been built to withstand the vigorous daily use of the modern care establishment. It is a favourite for those seeking optimum performance at a fraction of the cost.

#### FEATURES

- Slimline design
- Micro low air loss
- Durable & robust
- Zipped quilted water proof cover (PU option)
- 24 cell multi therapy
- CPR valve

#### SPECIFICATION

- Pressure Range: 30-60mmHG
- Air Output: 4-6 Litres
- Cycle Time: 10 minutes
- Noise: Less than 30db
- Dimensions : 198cm x 88cm x 15cm (79" x 35" x 6")
- Weight Limit : 27 Stones / 172Kg

## Squirrel 9200 - Overlay Mattress - Managed Very High Risk

**Try Before You Buy**



**£895<sup>+VAT</sup>**

**RRP £1495**

**SAVE £600**

## Overlay Mattresses

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### Customer Testimonial

"We have been very satisfied with these mattresses and have used them in a variety of situations.

We use them constantly on most of our clients finding them very beneficial, and relatives have been comforted in the knowledge that their loved ones look so comfortable."

Matron - S Jenkin

Full Testimonial at - [www.Squirrelmedical.com](http://www.Squirrelmedical.com)



The Squirrel Dormir is, due to a combination of features and price point, one of the best value full replacement mattresses available.

It is a slim line system that offers high levels of comfort whilst diminishing excess pressure. It is primarily designed for people at high risk of pressure sores and includes an ingenious 24 cell (multi therapy) system. This makes it far more comfortable for all users - including those that are less than 90KG.

Its core values are simplicity and effectiveness. It has an easy to use manual pump and uses traditional nurse friendly settings. It is built to a robust care home specification and is designed to last.

The Squirrel Dormir comes complete with our full exchange warranty and is available on our no quibble 14 day trial period for total peace of mind.

#### FEATURES

- 24 cell multi therapy
- Durable design
- Easy to use
- Zipped quilted water proof cover (PU option)
- Low running cost
- Low maintenance

#### SPECIFICATION

- Pressure Range: 30-60mmHG
- Air Output: 4-6 Litres
- Cycle Time: 10 minutes
- Noise: Less than 30db
- Dimensions : 198cm x 88cm x 22.5cm (79" x 35"x 9")
- Weight Limit : 25 Stones / 160Kg

## Squirrel Dormir - Full Replacement Mattress - Managed High Risk



**£749** +VAT

**RRP £949**

**SAVE £200**

## Full Replacement Mattresses

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### Customer Testimonial

"We have been very satisfied with these mattresses and have used them in a variety of situations. We use them regularly on clients newly admitted with either superficial or grade 3 to 4 pressure sores.

I would highly recommend Squirrel Mattresses and have not considered any other pressure care products since discovering them."

Matron - M Hall

Full Testimonial at - [www.Squirrelmedical.com](http://www.Squirrelmedical.com)



The modern care sector has a slightly different mattress requirement to that of ICU's. Issues include the effectiveness of side rails, height of mattress, dementia and the fact that clients are sometimes smaller, lighter and possibly more susceptible to shear forces.

Squirrel 9240 is a feature packed mattress - that has been created to assist in the effective prevention of pressure ulcers. It includes a host of important features such as static option - which allows all cells to be inflated so as to assist in care and treatment.

It also includes ventilated micro low air loss. This assists the cells that are in areas of high load typically the Thoracic, heel and sacral areas. The laser punch holes allowing the cell to reform to the unique patient shape. This allows a greater interface area to be supported, thus making the mattress both more comfortable whilst delivering optimum pressure care.

#### FEATURES

- 48 soft form cells
- Digital pump
- Transport locking device
- Alternating/static option
- Audible power failure alert
- CPR valve
- Zipped quilted water proof cover (PU option)

#### SPECIFICATION

- Pressure Range: 30-60mmHG
- Air Output: 4-6 Litres
- Cycle Time: 10 minutes
- Noise: Less than 30db
- Dimensions : 198cm x 88cm x 22.5cm (79" x 35" x 9")
- Weight Limit : 27 Stones / 172Kg

# Squirrel 9240 - Overlay Mattress - Managed Very High Risk, 48 Cell - Slimline Digital System

**Try Before You Buy**

Quilted waterproof cover can help prevent the ripple marks often associated with air flow mattresses

Replacement covers are available at nominal cost for greater hygiene.

48 soft form cells provide greater pressure dissipation and greater comfort.

Slimline design - so as not to render the side rails ineffective

Simple to use pump with easy changeable filters.

48 Cell Multi therapy including micro low air loss which allows the cells to be re-mould themselves to the thoracic and sacral areas.

**£1195** +VAT

**RRP £1995**

**SAVE £800**

## Overlay Mattresses

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### Customer Testimonial

"The use of these mattresses when coupled with good nursing care, diet, dressings and turning regimes have produced excellent results. Nurses, clients, family and visiting professionals have all been delighted and impressed with the improvement to the clients skin.

The service from the company is also exceptional and we therefore have no hesitation in recommending them."

Matron - M Patel

Full Testimonial at - [www.Squirrelmedical.com](http://www.Squirrelmedical.com)



Sapphire is our ultimate system and has been designed to suit the real requirements of the modern care home; the staff, the budget, TVN and the patient. Sensible features include a low profile design for use with side rails, multiple air cells that stimulate a greater interface area and Micro Low Air Loss in the heel and sacral areas.

Apart from excellent pressure relieving qualities, Sapphire has been designed to be very low maintenance and uses just a little electricity thus saving money in running costs. Spare parts including replacement covers are supplied at nominal cost and so it can be used - day in day out for several years. We are so pleased with Sapphire that we offer a no quibble 14 day trial period.

Bed not included. Please call for details.

### FEATURES

- Micro Low Air Loss - Heel, Sacral and Thoracic Areas.
- Low Profile Design
- 48 soft form cells
- Digital pump
- Transport locking device
- Alternating/static option
- CPR facility
- Zipped quilted water proof cover (PU option)

### SPECIFICATION

- Pressure Range: 30 - 60 mmHG
- Air Output: 6 - 8 Litres
- Cycle Time : 10 Minutes
- Noise : Digital Pump Less than 30 db
- Dimensions : 198cm x 88cm x 22.5cm 79" x 35" x 9"
- Alarms : Low Pressure Alarm
- Audible power Failure Alarm
- Weight Limit: 27 Stone / 172Kg

## Sapphire Multi Therapy - Managed Very High Risk



**Try Before You Buy**

Micro Low Air Loss Micro low air loss allows several cells to re-mould themselves in the thoracic, sacral and heel areas.

Quilted waterproof cover can help prevent the ripple marks often associated with air flow mattresses.

Slimline design so as not to render the side rails ineffective.

48 soft form cells provide greater pressure dissipation and greater comfort.

**£1,395 +VAT**

**RRP £2,395**

**SAVE £1,000**

## Full Replacement Mattresses

Unbeatable Prices | Highest Quality | Quick Delivery | Contact Your Dealer now !



### Customer Testimonial

"We have found that the Squirrel 5200 alternating cushion, when used in conjunction with good nursing has assisted in the prevention and treatment of painful sores that can occur on the sacrum.

Matron - J Braithwaite

Full Testimonial at - [www.Squirrelmedical.com](http://www.Squirrelmedical.com)



Some people require the optimum pressure relieving qualities that are provided by way of an air flow cushion. Squirrel 5200 is designed so that a series of air cells alternate their pressures (firm-soft-firm-soft) during a seven minute cycle. This process helps to stimulate the capillaries in terms of tissue oxygenation, blood flow, nutrition and the removal of waste toxins. This is particularly important for those with lower levels of mobility and that might be susceptible to pressure ulcers.

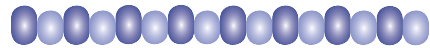
The cushion is connected to a simple air pump which offers nothing more complicated than a manual comfort control. Everything else is fully automated and it takes less than a minute to plug it in and turn it on. The cover is a simple wipe down design for greater hygiene and is also very comfortable.

### FEATURES

- Portable chair size 40cm X 40cm x 8cm
- Standard size 43cm X 43cm x 8cm
- Armchair size 46cm X 46cm x 8cm
- Managed High & Very High Risk
- Pressure relieving design
- Micro Low Air loss
- Alternating Air Cells

### SPECIFICATION

- Pressure Range: 30-60mmHG
- Air Output: 4-6 Litres
- Cycle Time: 10 minutes
- Noise: Less than 30db
- Maximum Weight: 17 stone / 108kg



Multi therapy including micro low air loss which allows the cells to re-mould themselves to the sacral areas.

# Squirrel 5200 - Seat Cushion



Replacement covers are available at nominal cost for greater hygiene.



Easy to use pump with manual comfort setting.

The profile foam base assists correct positioning

**£249** +VAT

**RRP £499**

**SAVE £250**

## Seating & Cushions

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## A simple guide to pressure ulcers

### ■ Who is this guide for?

This guide is intended for anyone who has an interest in pressure ulcers and may be responsible for their prevention and seeks to justify the use of a Squirrel Medical mattress or cushion.

We must stress that Squirrel pressure relieving mattresses must be viewed as an aid to care not as a substitute for care.

Squirrel Medical mattresses are designed to prevent, in conjunction with medical care, those at high risk from developing pressure ulcers. We do not claim that a Squirrel Medical mattress in its own right will prevent or cure pressure ulcer's.

This guide cannot hope to cover all the information available – nor does it set out to do so. It aims to give basic information and stimulate further reading and discussion where necessary.

We strongly suggest that nurses, matrons and other members of the care team secure the appropriate tissue viability training from one of the many wound care organisations. Further details are available on our website, [www.squirrelmedical.com](http://www.squirrelmedical.com).

### ■ What is a Pressure Ulcer?

Pressure ulcers may initially appear as red discolouration of the skin that does not fade when finger pressure is applied. This may be accompanied by local heat and swelling. This is known as Grade 1 damage.

When tissue is starved of oxygen, it dies. If the damage is limited to tissue near the surface, there may be simple blistering, however, if deeper structures are involved, the dead tissue may look black. This discolouration may be masked in people with dark pigmented skin, and superficial damage, which is often an early sign of deeper problems and may go unnoticed. Damage may be much more severe than is at first apparent.

Eventually the damaged tissue will break down, revealing an ulcer that may penetrate through to bone or internal organs,

(Grade 4). Given the right circumstances, any area of tissue that lies over a bone may form a pressure ulcer. These areas include the sacrum, heels, toes, head, elbows and shoulder blades, whilst lying on the back; ankles, knees, hips, ribs, shoulders and ears when lying on the side.

### ■ How are Pressure Ulcers Caused?

A pressure ulcer is a sore caused as a result of the interruption of blood supply to soft tissues. There are three main ways for this damage to be caused – pressure, friction and shear.

The patient's weight is transferred through the bone structure, which in turn presses on the sensitive tissue and the skin that covers it. The tissue is then trapped between the bone and the external surface. This pressure keeps the blood from flowing to the area to deliver oxygen and remove waste, leading to tissue death and a pressure ulcer forms.

If friction is applied to the skin at the same time, the top surface may be torn off or damaged, causing blistering. Added to this, if a patient slips down a slightly raised or profiled mattress, the bony projections of the pelvis will tend to distort the internal tissues. This movement, when applied to soft tissues is called 'shear.'

Shear forces stretch and twist blood vessels, making them collapse and cutting off the blood supply. Pressure ulcers occur when one or more of these three mechanisms – pressure, friction or shear - are applied to a person's tissue.

### ■ Extrinsic and Intrinsic factors

A number of factors will put a person at risk of skin damage. Those in the surrounding environment are known as extrinsic factors. These may include immobility, poor positioning and poor handling techniques, leading to patients slipping down the bed or being dragged across surfaces; damp bedding; or the use of incorrect cushions, splints or mattresses.

The term intrinsic factors is used to describe features within the patient's own condition that can increase the risk of damage.

These include old age, a poor state of nutrition, dehydration, or the presence of underlying illness. In many cases, patients are exposed to a number of different external and internal factors at the same time.

Successful prevention entails recognising those at risk of damage, identifying what preventative action needs to be undertaken, implementing this strategy, documenting the care or action taken, and regularly reassessing the situation. Many Pressure ulcers happen as a result of ignorance.

Most ulcers result from a combination of factors. Typical examples include a person with poor nutrition rubbing against a surface, such as a toilet seat, wheelchair, hoist sling, side rail or a bed sheet. Other contributory factors include prolonged exposure to moisture from perspiration or urine, as well as high and low temperatures.

If such a person is left on an unsuitable surface, such as a cold, hard, plastic toilet seat (possibly because of constipation), that could precipitate ulceration.

Hard surfaces cause faster ulceration. Hard surfaces such as ward trolleys and (substandard) compressed foam mattresses tend to produce a faster ulceration. This is because the support surface is unable to mould to the patients' contours. Pressure is therefore concentrated over bony prominences such as the heels, whilst the lower lumbar area is unsupported.

### ■ Patient Repositioning

Florence Nightingale is credited, amongst others, for implementing a two-hourly turning or repositioning regime. This is one of the factors credited with saving thousands of lives in the field hospitals of the Crimea.

Two hours is still the generally accepted period that tissue can tolerate pressure on a mattress without damage occurring. However, for some individuals, even this can be too long, particularly if specialist mattresses are not being used.

The full version of this guide is available free of

## ■ Nutrition and Hydration

Another contributory 'intrinsic' factor is a client's nutritional state, as a poor diet and consequent weight loss removes body padding and exposes bony prominences.

Also, dehydration reduces the adequate oxygenation of tissue, thus affecting tissue strength and stability. If damage does occur, this can also delay tissue repair.

Re-hydration coupled with a good nutrient rich diet should be given primary consideration.

People who are diabetic are particularly at risk. Poor healing rates, along with alterations in blood circulation to tissues and frequently, a reduced nerve supply to the extremities, (peripheral neuropathy) make them more prone to damage and more difficult to treat. For this reason people with diabetes need careful blood sugar control and even greater attention and prevention than non-diabetic individuals.

## ■ Pressure Ulcers can occur in one hour

Pressure damage can develop in as little as one hour, and can be caused simply by leaving an immobile and vulnerable person on an inappropriate bed or support surface.

Ulceration can happen almost immediately, particularly where there is friction damage. Vulnerable people should be regularly assessed - constant vigilance is essential.

## ■ Risk Assessment

People at risk of skin damage can be easily identified by using a Risk Assessment Tool. One such system is the internationally recognized Waterlow Score, which was developed by the pioneering British nurse, Judy Waterlow.

Her lifetime's work has saved many lives by helping nurses and carers identify those at risk of pressure ulcer development. Judy has made her work widely available and easily understood.

## ■ Hygiene and Skin Care

Whilst a better nutritional state and improved hydration is extremely important, so is good hygiene. Urine left on the skin rapidly breaks down into ammonia. This chemical strips away the natural oils in the skin and can result in severe damage.

Cleaning should be undertaken delicately and regularly, as moisture, including almost unnoticeable perspiration, can give a clammy feel to the skin and can again precipitate skin damage.

Soaps, particularly the highly perfumed varieties, also strip away the skin's natural oils and should be avoided. Where needed, skin cleansers and soap substitutes should be used to maintain skin health. Regular use of moisturisers and emollients can help protect the skin and restore the correct moisture balance. Where regular incontinence is a problem, skin barrier preparations should be considered as a preventative regime.

## ■ Alternating Air Mattresses

An alternating air mattress is made up of a series of air cells, which are inflated with an air pump. Cells inflate in a cyclical manner - one set of cells supporting the patient whilst the others deflate, enabling the patients' tissues to perfuse with oxygenated blood.

The cycle, and therefore the pressure of the supporting cells, changes approximately every ten minutes throughout the entire surface area of the bed. This mimics the subtle movements we all make during rest and sleep.

Air mattresses such as the Squirrel 9200 are often supplied as overlays, thus reducing the cost of supplying a separate foam base. The base foam on an air mattress affects its pressure distributing properties - a deeper foam base is important in case there is a short-term power failure or where a heavier person is using it.

When preparing to obtain new equipment it is important to negotiate (depending on the product) a trial period to establish the absolute suitability of the equipment to the clients' needs.



charge at: [www.squirrelmedical.com](http://www.squirrelmedical.com)





## Pressure Relieving Mattresses & Seating

### Contact Information

When ordering please use the dealer code

DEALER CODE

DEALER DETAILS

Squirrel Medical

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1 Davy Road

Tamar Science Park

Derriford

Plymouth

Devon PL6 8PX

United Kingdom

**Telephone: 01752 764861**

**Email: [info@squirrelmedical.com](mailto:info@squirrelmedical.com)**

**[www.squirrelmedical.com](http://www.squirrelmedical.com)**

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- Discounted Prices
- Free Prevention & Treatment Information

