We’re here for life.
At Risk Patient Protection Products

A Safe Environment
Providing a safe and aesthetically pleasing environment in a Mental Health facility has always been a design and clinical challenge. This has been made more difficult given the demand for 'normalisation' – the need to create a homely, less institutional environment yet still providing a high level of staff and patient safety. Traditionally safety has taken precedence over aesthetics and the appearance has been somewhat abandoned.

In recent years it has been proven the normalisation of the patient surroundings, including the provision of a substantial level of privacy and dignity is essential for a faster recovery.

What are the Risks?
Areas within the mental health facility that offer the greatest risk of injury, self-harm or suicide are doorways, window openings and their associated fixtures and hardware. This especially applies to closed rooms such as a bathroom or bedroom which may be out of the sight of carers. Statistics have demonstrated that the most frequent method of suicide is by hanging or strangulation, in fact this method accounts for over half of deaths by suicide in Australia. The most prominent risks within patient areas is the presence of ligature points and the ability for a patient to barricade themselves (with or without hostages) away from staff access and assistance.

Minimising the Risk
It remains a duty of care to ensure that patients are cared for and accommodated in the safest environment possible. The unique range of Hipac solutions which have been designed exclusively for Mental Health Facilities, Rehabilitation and Detention Centres, add style and character without compromising safety, functionality or quality.

Hipac curtain and blind products utilise the original fail safe Kestrel anti-ligature suspension system which boasts a proven track record for withstanding the demands of mental health facilities for over 8 years with no recorded incident involving a ligature.

At Hipac we are committed to providing market leading products to suit every application. We exclusively distribute an extensive range of established products, however we have the ability to modify, adapt, source or create a solution for your unique situation.

Hipac is your partner in care.

“The most frequent method of Suicide was hanging, a method used in half (53%) of all Suicide deaths”.
Australian Bureau of Statistics
Mission
We’re here for life.
We’re here to preserve life, to protect life and to promote life.
We’re here for others and we’re here for good.

Vision
A vibrant enthusiastic team of dynamic individuals possessing a genuine interest in the needs of those surrounding them, whose attitude and actions benefit not only our clients and their patients but reach out to touch humanity.

Our staff find work rewarding and enjoyable and our customers find engagement with them fulfilling. Stakeholders are satisfied and supportive.

A carefully selected portfolio of solid reliable products is sourced from a long lineup of manufacturers worldwide seeking well supported representation throughout the country.

Growth is sustained by the energy of a service division unequalled for its reliability, dependability and efficiency. It will be capable of a four hour response time anywhere on this vast continent.

Relationships formed will endure.

Guiding Principles
Integrity
Open, honest and loyal in every sphere and relationship.

Selflessness
Put the needs of others ahead of my own.

Consideration
Possess a caring and considerate disposition.

Courtesy
A smile, a kind word, a greeting costs nothing but is priceless.

Generosity
Display a spirit of generosity, kindness and compassion.

Orderliness
Maintain tidy and safe facilities, work areas and practices.

Effectiveness
Do it once, do it right and do it in the least amount of time. Be punctual.

Communication
Keep customers, suppliers and fellow workers informed.

Recordkeeping
Maintain accurate records for a better tomorrow. Be accountable.

Innovation
Do it smarter, better, quicker. Think outside the box.

Action
See a need do something about it... now.
What is Anti-Ligature?

Reducing the Risk of Self-Harm

When planning the construction or refurbishment of a bedroom or bathroom for patients suffering from mental illness, it is essential in the design process to eliminate points where a cord, rope, or bed sheet can be looped or tied to a fixture in order to create a point of ligature, which may result in self harm or in extreme cases, loss of life. Unfortunately, many items that would be considered standard for a bedroom or a bathroom pose a risk of ligature and alternate products must be used in order to achieve the same function, yet provide a safe environment for both patients and staff.

There are a variety of ways in which we can safeguard against ligature in these areas. They are as follows;

Load Release Anti-Ligature

The Kestrel load release system is a simple yet extremely effective way of reducing or eliminating ligature risks. The system is based around two patented magnetic brackets. These brackets will securely hold a range of items by powerful short-range magnetic attraction. When an abnormal load is applied the magnetic force is overcome and releases its load. And it can do this time after time. There is no decline in performance and no mechanical restraint, nothing can jam, break or wear out. After an incident, all that is required is for the suspended item to be held immediately below the magnetic bracket or brackets. The magnetic force will then raise the item and reseat it in its correct position.

This system was originally developed to suspend curtain tracking in areas where patients are at risk of self-harm, however it is being continually developed and now incorporates a wide range of load release accessories for patient bedrooms, bathrooms, and ensuites. This range now also incorporates a selection of universal load release mounting plates on which standard accessories and fixtures can be installed without creating a ligature risk.

Fixed Anti-Ligature

These items are generally items that are required to bear weight or strain such as a hand rail, or a door handle. As it is not an option for these products to release under an abnormal load, the ligature risk is eliminated by designing it in such a way that it is not possible for a cordlike object to be looped or tied around it.

Weaponry Deterrent

Items that can be removed from their intended location by force, such as a wardrobe rail, could potentially be used as a weapon for a patient to harm themselves or others. Whilst staff members are trained to overcome confrontation with violent patients, it is best to minimise this risk through innovative product design. A range of solutions, particularly load release products, are now available in lightweight and flexible materials to deter patients and reduce the potential harm that could be caused by them if they are used for purposes other than that for which they have been designed.
Key to Icons

Load Release
Anti-Ligature
Item will release from its fixings to prevent a ligature if an abnormal load is applied.

Fixed
Anti-Ligature
Item is fixed in place however is free from points where a cord could be fastened to create a ligature point.

Weaponry
Deterrent
Designed to reduce the risk of this item being used as a weapon.
The Kestrel Anti-Ligature Suspension System

The Kestrel load release system is a simple yet extremely effective way reducing or eliminating ligature risks on curtain and blind installations. The system is based around two patented magnetic brackets. These brackets will securely hold a range of items by powerful short-range magnetic attraction. When an abnormal load is applied the magnetic force is overcome and releases its load. And it can do this time after time. There is no decline in performance and no mechanical restraint, nothing can jam, break or wear out. After an incident, all that is required is for the suspended item to be held immediately below the magnetic bracket or brackets. The magnetic force will then raise the item and reseat it in its correct position.

The system was the first of its kind to be developed and is installed in mental health units, detention centres and prisons internationally. It has a proven track record of withstanding the demands of these environments without any incident being recorded involving a ligature in over 8 years.

The manufacturers of Kestrel have an ongoing commitment to quality and innovation, and new or improved applications of the Kestrel principle are continually being researched. Further anti-ligature items are currently being developed, and our designers are happy to discuss any specific client requirements.

Loading Figures
No part of a Kestrel installation should be able to withstand a vertically downward force of more than 400 Newtons, equivalent to a static load of approximately 40kg. Most readings will be in the region of 15 – 30kg, depending on configuration and proximity to brackets.

Testing and maintenance
It is a requirement that items suspended on load-release support systems should be maintained and load-tested in accordance with the manufacturer’s instructions on an annual basis. The Kestrel system is maintenance free and its performance remains constant even after repeated use. It is advisable, however, to carry out a visual inspection of Kestrel fittings to identify any possible damage or evidence of tampering.

Safety
Sensitive electronic equipment may be damaged by proximity to a magnetic field and should not come within 15cm of the underside of the brackets. Warning: Articles suspended from the Kestrel Magnetic Suspension System will come down when pulled! Any load-release device due to its nature may cause damage when operated.
MOVATRACK CUBICLE TRACKING

The Movatrack hospital tracking is an internationally leading curtain system due to its quality, aesthetics and reliability. The rigid, high-grade aluminium track section and free-running roller hooks are designed to give years of trouble-free service. Movatrack with Kestrel offers a highly respected track system with the security of the acclaimed Kestrel Magnetic Suspension System – designed to complement each other.

Specifically for high-risk mental health areas, Movatrack with Kestrel uses magnetic wall-fix brackets where tracks meet the wall, and magnetic top-fix brackets where suspension hangers meet the ceiling. This ensures that, under excess load, the suspension hanger separates from the ceiling bracket – an essential safety feature, as it is surprisingly easy to attach a cord to a fixed vertical rod and use it as a ligature point.

Suggested layouts and details of individual fittings are shown in the Movatrack technical manual – available on request. Movatrack with Kestrel should always be fitted by trained and accredited personnel.

Cubicle track specification: Movatrack cubicle track with Kestrel Magnetic Suspension System as manufactured by Hipac, 1800 759 393. Track manufactured from aluminium with silver anodised/white powder-coated finish, complete with roller hooks at 10 per metre, curtain removal points and magnetic wall-fix brackets, top-fix brackets and overlaps as necessary, spaced in accordance with manufacturers recommendations. Fitting to be carried out by trained and accredited personnel.

MOVATRACK SHOWER TRACKING

- 90° bend.
- 1200mm x 1200mm as standard.
- White and silver.
- Direct fix and suspended.
- Custom sizes available.
- Supplied as a standard package and trimmed to size during installation.

CODE: DESCRIPTION: SPECIFICATION REFERENCE:
116580 Shower Curtain Suspended White Movatrack suspended shower track with Kestrel Load Release System – 1200x1200mm – White
115065 Shower Curtain Suspended Silver Movatrack suspended shower track with Kestrel Load Release System – 1200x1200mm – Silver
116581 Shower Curtain Ceiling Fixed White Movatrack ceiling mounted shower track with Kestrel Load Release System – 1200x1200mm – White
116189 Shower Curtain Ceiling Fixed Silver Movatrack ceiling mounted shower track with Kestrel Load Release System – 1200x1200mm – Silver
*Suspension rod supplied at 1000mm
VITESSE K6200 WINDOW CURTAIN TRACKING

Kestrel brackets were designed to complement the high performance and pleasing appearance of the K6200 hand drawn track. It is a white finished aluminium track, lightweight yet strong, and with roller runners is ideally suited to all hospital applications.

Tests have shown that for anti-ligature purposes it is most important that the complete track collapses. Even where a fixed track provides no ligature points, heavy weights can be suspended from the curtains. This is potentially a serious risk. With the K6200 the complete track and curtain system will part from the Kestrel brackets under abnormal load and can then be simply and quickly reinstated.

VITESSE K9500 FLEXIBLE CURTAIN TRACKING

Developed in response to Prison Service requirements, the special plastic formulation of the K9500 is designed to be flexible enough to prevent its use as a weapon by prisoners or violent psychiatric patients. It is shatterproof and will give no sharp edges if deliberately broken. Only for use with lightweight curtains and where the risk of violence precludes the use of the standard K6200 aluminium track.

Specification: Vitesse K9500 Flexible hand drawn curtain track with Kestrel Magnetic Suspension System, exclusively distributed in Australia by Hipac, 1800 759 393. White plastic track complete with gliders at 16 per metre, and magnetic wall-fix or top-fix brackets as necessary, spaced in accordance with manufacturers recommendations.

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K9500 BRACKET SPACING

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**Kestrel Anti-Ligature Roller Blinds**

**KESTREL KR20 SIDEWINDER**

Metal bead-chain side control with metal brackets.

**Features:** White metal universal brackets for face, top or side fixing with 32, 40 or 45mm aluminium barrel, depending on blind size and fabric weight. Fabric is locked into groove in barrel, and the slim, rugged sidewinder mechanism has metal control chain as standard. The rigid white plastic bottom bar is fabric covered at front.

**Benefits:** Strength and simplicity make the R20 the first choice for a vast range of applications. The choice of barrel size means that the blind is always ideally matched to window size for optimum performance. Vandal-resistant features includes Slipstream Technology control mechanism, metal control chain, fabric locked into barrel and bottom bar, and sturdy yet attractive metal brackets.

**Options:** Plastic control chain; Bottom bar fully fabric covered; Alternative bottom bars, including fabric covered aluminium and Tear Drop white, black or silver aluminium.

**Specification:** Defiant KR20 sidewinder roller blind exclusively distributed in Australia by Hipac – 1800 759 393. Flame retardant fabric from the Defiant range, locked into grooved aluminium barrel. Slipstream Technology sidewinder control with metal control chain and white metal brackets.

Defiant® KR20 is the only approved sidewinder roller blind system to be used with Kestrel.

**KR20 SIDEWINDER MAXIMUM SIZES**

<table>
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<tr>
<th>Min Width* (mm)</th>
<th>Max Width* (mm)</th>
<th>Max Drop (mm)</th>
<th>Max (m²)</th>
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**KESTREL KR41 SLOW-RISE SPRING**

Premium decelerator spring mechanism in slim 23mm / 32mm barrel with plastic brackets.

**Features:** White plastic brackets with 23, 32 or 36mm aluminium barrel housing a premium quality spring with decelerator mechanism. The rigid white plastic bottom bar is fabric covered at front and has a central cord-pull.

**Benefits:** The KR41 operates on the slow-rise principle where, once the blind is released from its ratchet-stop, it will glide slowly and smoothly up to its fully open position and come to rest without that familiar crash!

**Options:** Handle in place of central cord-pull; Bottom bar fully fabric covered; Alternative bottom bars including fabric covered aluminium and Tear Drop white, black or silver aluminium.

**Specification:** Defiant KR41 Slow-rise spring roller blind exclusively distributed in Australia by Hipac – 1800 759 393. Flame retardant fabric from the Defiant range, on aluminium barrel. Spring operation with decelerator mechanism.

Defiant® KR41 is the only approved slow-rise spring roller blind system to be used with Kestrel.

**KR41 SLOW-RISE SPRING MAXIMUM SIZES**

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<th>Max Drop (mm)</th>
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<tbody>
<tr>
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<td>2000</td>
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<td>4.0</td>
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*Where adjacent blinds are fitted with Kestrel, there should be no more than 2 Kestrel brackets within a total distance of 700mm.
**KESTREL KVL31 WAND CONTROL**

KVL31 Premium profiled vertical blind single wand controlling both tilt and draw. 127, 89 or 63mm louvres.

**Features:** 40 x 25mm premium profiled white aluminium headrail with top-fix brackets and wheeled replaceable plastic carrier trucks. The constant transport of the louvres is guaranteed by the precision made aluminium spindle shaft. Wand control operation with built in slip clutch for louvre tilt. 127mm, 89mm, or 63mm louvres available with weights and white stabilising chain.

**Benefits:** Robust with high quality performance, yet remains pleasing to the eye. The compressive track options satisfy the most demanding of environments whether it be residential or commercial.

**Specification:** Defiant KVL31 vertical blind exclusively distributed in Australia by Hipac – 1800 759 393. 40 x 25mm white headrail with wand control operation with built in slip clutch. Replaceable truck hooks or spring metal truck hooks, with 127mm, 89mm or 63mm louvres in flame-retardant fabric from the Defiant range, complete with louvre weights and white stabilising chain.

**Options:** Spring metal trucks; Enclosed weights; Face fix brackets.

Defiant® KVL31 is the only approved wand control vertical blind system to be used with Kestrel.

**KVL31 WAND CONTROL MAXIMUM SIZES**

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Defiant® Dart Fabric Details

The Defiant® Dart Biosafe fabric is designed for areas where a high level of light exclusion is required along with exceptional performance characteristics.

The Flame Retardant Fibreglass composition with a PVC coating for easy clean, ensures this fabric is suitable for almost all applications. With 11 colours and the most advanced range of fabric widths available, fabric joins are kept to a minimum to assist in wastage, design and speed of fabrication.

This fabric contains Biosafe which is a proven anti-microbial compound that has been tested under the most stringent measures to be effective in inhibiting bacterial and fungal growth.

Fabric Composition: 75% PVC, 25% Fibreglass
Fabric Range: 11
Louvre Widths: 127mm (5") / 89mm (3.5") / 63mm (2.5")
Roller Fabric Width: 1830mm (72") / 2500mm (98.4")
Fabric Thickness: 0.25mm – 0.33mm
Fabric Weight: 407 g/m² – 12oz/syd
Shading: Blackout. Suitable for computer environments
Moisture Resistance: Suitable for moist conditions
Biosafe: Contains effective anti-bacterial and anti-fungal properties
Care Instructions: Wipe clean

Shading Efficiency

Transmittance is the amount of light and heat transmitted beyond the fabric. The lower the amount, the greater the efficiency.
Block/reflect is the amount of heat and light that is blocked or reflected. The higher the amount, the greater the efficiency.
Absorption is the amount of heat and light absorbed in the fabric. The higher the amount, the lower the efficiency.
Ultraviolet protection illustrates how protective the fabric is in preventing ultraviolet rays. The higher the amount the greater the effectiveness.

<table>
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<tr>
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<th>Optical Transmittance %</th>
<th>Sun Block %</th>
<th>Ultraviolet Protection %</th>
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Available Colours

- Pink
- Beige
- Magnolia
- Mint Green
- Grey
- Black
- Burgundy
- Bottle Green
- Sea Blue
- BlackWhite
- Navy
- White

Colours displayed are as accurate as printing processes allow. Request a colour swatch for exact colour matching.

1 Maximum width available 1830mm. 2 Not available for vertical blinds.
The Kestrel, Movatrack, Vitesse and Defiant product range of products have a five year warranty against manufacturing defects or workmanship, subject to normal wear and tear. This excludes all fabric.

This warranty does not apply if any of the following exclusions exist:

- The product has been subject to misuse, abuse, neglect, negligence, accident, or has been operated in any way contrary to manufacturers operating instructions or specifications.
- Damages or conditions that have resulted from improper cleaning, maintenance, care or repair of the product/products.
- The product has been improperly installed or not installed according to manufactures guidelines or specifications.
- Manufacturers written instructions for installation and wiring of electrical connections were not followed.
- The product has been used to perform functions or operated in a manner contrary to its design or otherwise is used in a manner contrary to or in excess of Manufacturers specifications, drawings, or instructions.
- The product is used with electrical accessories or parts, including switches, relays, or other accessory components, that have not been previously approved in writing by the Manufacturer.
- If any electrical accessories and other components have been used in disregard to the basic wiring diagram for which they were designed.
- Failure to comply with all Manufacturers written instructions and specifications.
- Repairs made necessary from normal wear of the product or by use of parts or accessories which are either incompatible with the product or otherwise adversely affect its operation, performance, or durability.
- Product used for non interior applications or otherwise exposed to outdoor environmental conditions.

All details are correct at time of printing.
Colours shown are as accurate as printing processes allow.
Hipac reserves the right to make changes in design, specifications, colours and models for the improvement of any product without notice.
Images in this catalogue are for display purposes only and may not reflect the exact appearance of the product.
Hipac recommends that anyone intending to install or use any products displayed in this catalogue should satisfy themselves about the suitability of them for their intended purpose and that all applicable health and safety requirements are met. No responsibility is assumed by Hipac for any incidental or consequential damages resulting from the use of any products sold by Hipac.
Customer Care 1800 75 93 93

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We’re here for life.