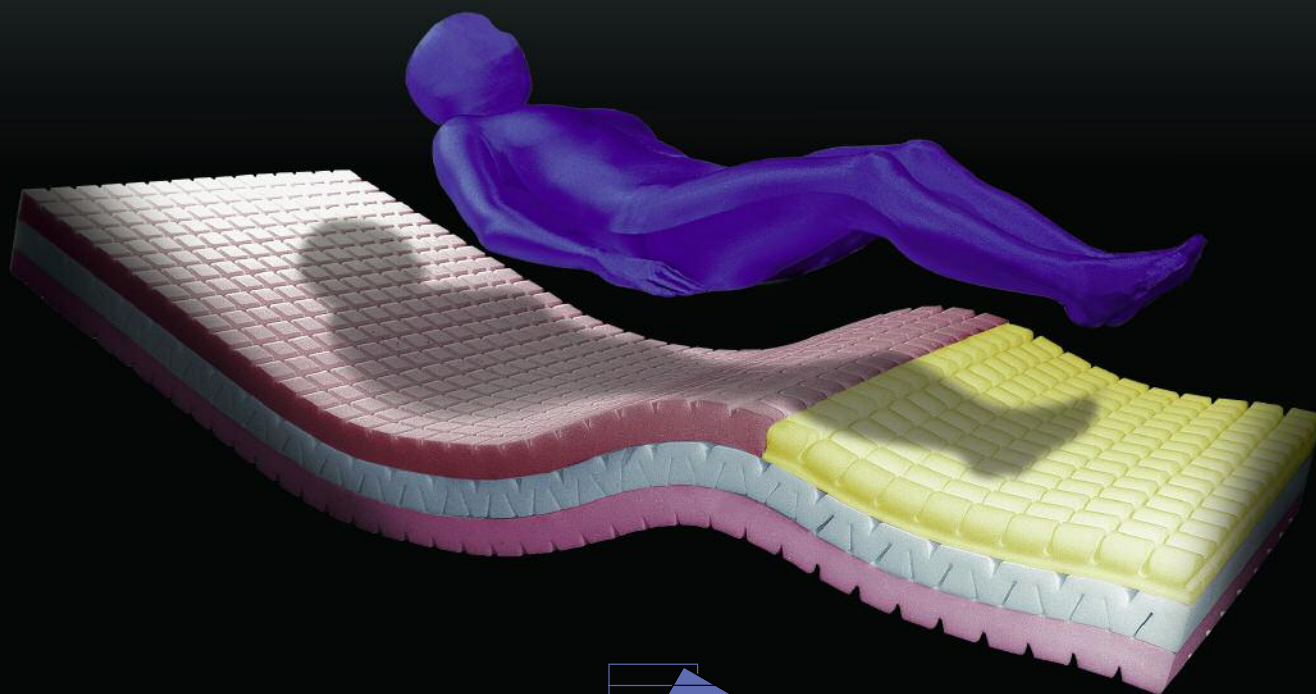


# PRE-VENT II SERIES® PRESSURE REDISTRIBUTION MATTRESS SYSTEMS

*Prevention by Suspension™*



Blue Chip Medical Products

*"Setting the Standard"*

## PRE-VENT II SERIES® MATTRESS SYSTEMS

### Prevention by Suspension™

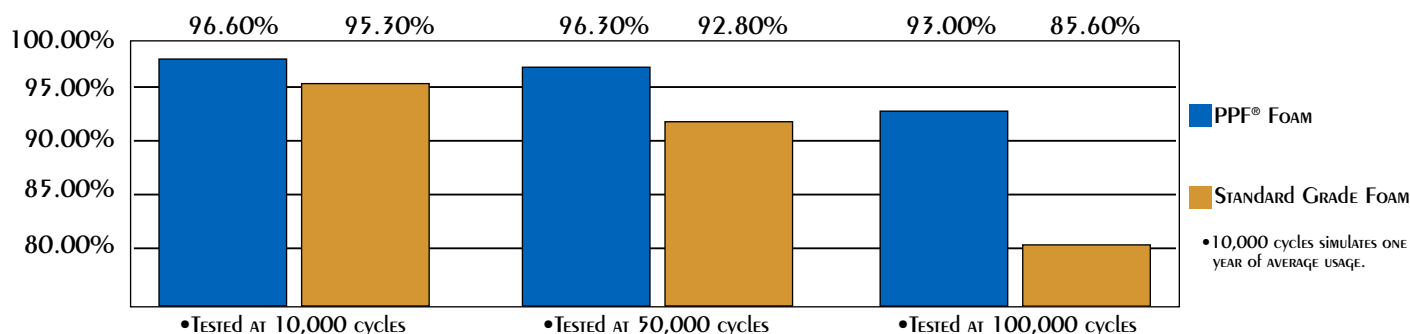
The PRE-VENT II Series® of therapeutic pressure redistribution mattresses is the culmination of extensive research and testing. Blue Chip Medical's exclusive Sphere®, Reflect® SCT™ and Multi-Flex® designs react to body weight displacement across the entire surface. This prevents and relieves pressure sores by keeping the body in a constant state of suspension; **Prevention by Suspension™**. Our unique shapes together with our Med-Flex® PPF® foams, react instinctively to a compression set, allowing for a fully automatic, totally zoned surface. Other manufacturers' surfaces are zone specific and must always take into consideration a patient's weight, size (build) and shape. Blue Chip's Sphere® and Reflect® designs act independently as its own self-adjusting, pressure-redistribution zone. Every component undergoes a strict protocol to ensure clinical efficacy, infection control standards and durability for the life of the mattress.

### Med-Flex® PPF® (Pressurized Polymer Foam) Manufacturing Process

PPF® is the most modern manufacturing process used today. This process uses an enclosed controlled environment rather than a traditional open-line pour. PPF® allows for the precision control of atmospheric pressures during manufacturing adding to the purity of the foam's cell structure. This method greatly reduces the sag factor (deflection), thereby enhancing the product's life and extending the uncompromising pressure-redistributing qualities of our foam mattress systems. PPF® technology enables Blue Chip to warranty the longevity of our PRE-VENT II Series® mattresses to outlast all other conventional mattress systems.

### PPF® FOAM HEIGHT RETENTION CHART

This chart provides clinical data of a laboratory test using a 250 lb. compression roller which shows simulated usage over a ten year period. Test results proved that PPF® foams outperformed standard grade foams by up to 50%. Blue Chip Medical's PRE-VENT II Series® Mattress Systems will maintain proper support and provide a pressure-redistribution surface for its entire clinical life.



### Multi-Flex® PPF®

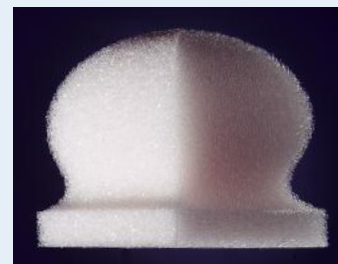
Multi-Flex® PPF® foam provides support for proper immersion and pressure redistribution by utilizing our exclusive compression technology to absorb the patient's weight, providing ultimate comfort and pressure redistribution throughout the core of the mattress. This design used in conjunction with our Reflect® SCT™ (Surface Cut Technology) creates the ultimate environment for the prevention and treatment of pressure ulcers.

### The Sphere®

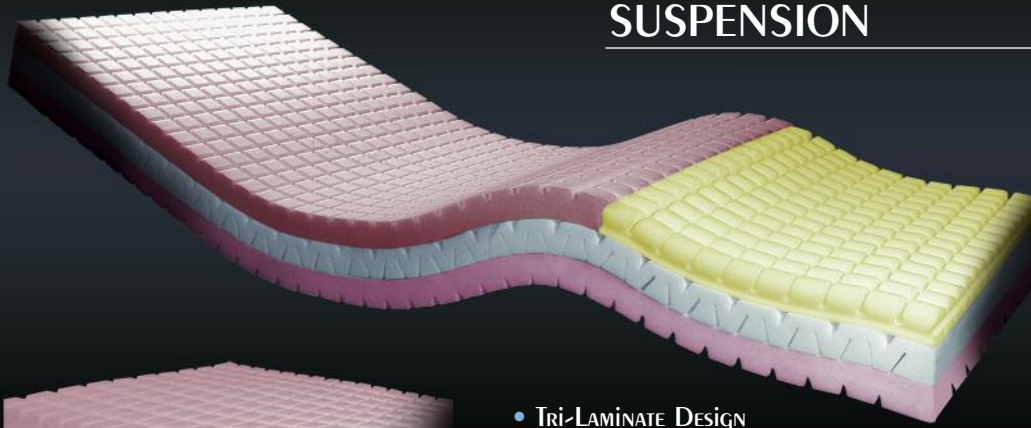
The anatomically inspired Sphere® shape offers the most unique design the therapeutic support surface industry has ever seen. The Sphere® design is clinically effective in redistributing the interface pressures which create pressure sores. Compressing the Sphere® down expands the surface area into a flat pressure-redistribution surface to evenly distribute and support the patient's weight across the entire mattress surface. Each Sphere® acts independently as its own self-adjusting pressure-redistribution zone. As the body moves across the mattress, the Spheres® touch points help stimulate blood flow. The Sphere® design permits air circulation, reducing heat build-up which provides a much cooler, more comfortable support surface.

### Reflect® SCT™ (Surface Cut Technology)

Reflect® SCT™ foam enables Blue Chip to produce a single piece of polyurethane foam with varying features and properties. We can alter the surface pattern, size, space, position, level and depth of cut. This engineering advancement produces a pressure-redistribution surface that gives unlimited comfort zones never thought possible in a single piece of foam. SCT™ allows the Reflect® design to be stronger and more supportive with a greater surface area than conventional foam convolution. This design absorbs and distributes the impact-weight of the body to provide greater comfort, maximum support and to redistribute pressure around bony prominences.



## SUSPENSION

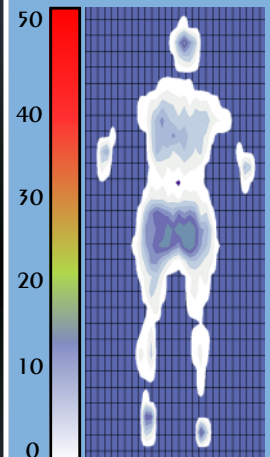


Med-Flex® PPF® Foam Layer Guide



- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® PPF® foams THROUGHOUT all layers
- Fully AUTOMATIC, TOTALLY ZONED MATTRESS SURFACE
- PRESSURE-REDISTRIBUTION Reflect® SCT™ design top layer
- Middle layer pressure-redistribution Multi-Flex® PPF® design
- High density Reflect® bottom layer
- Exclusive Heel Wrap® PPF® foam with Sphere® design in top layer for MAXIMUM prevention of heel ulcers
- Vyvex III® multi-STRETCH, fluid proof top cover
- BARRIER Lok® infection control system
- All Med-Flex® PPF® foams and cover materials ARE ANTI-MICROBIAL and FIRE RETARDANT
- 8 YEAR NON-PRORATED WARRANTY

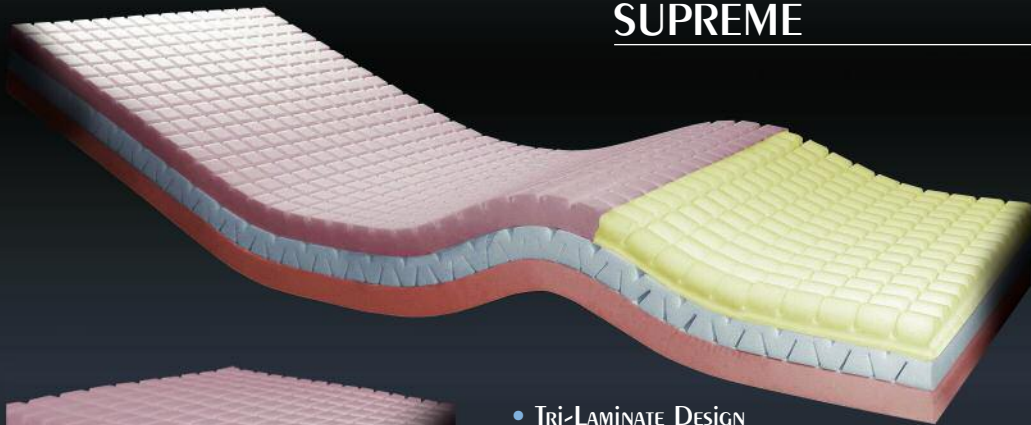
PRESSURE Mapping



PRESSURE AVERAGE  
9.734 mmHg

PRESSURE MAXIMUM  
19.322 mmHg

## SUPREME

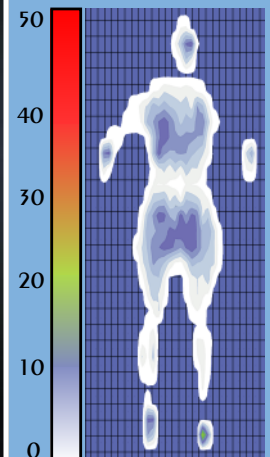


Med-Flex® PPF® Foam Layer Guide



- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® PPF® foams THROUGHOUT all layers
- Fully AUTOMATIC, TOTALLY ZONED MATTRESS SURFACE
- PRESSURE-REDISTRIBUTION Reflect® SCT™ design top layer
- Exclusive Middle layer pressure-redistribution Multi-Flex® PPF® design
- Exclusive Heel Wrap® PPF® foam with Sphere® design in top layer for MAXIMUM prevention of heel ulcers
- High density Med-Flex® PPF® foam bottom layer
- Vyvex II® Low SHEAR nylon, fluid proof top cover
- BARRIER Lok® infection control system
- All Med-Flex® PPF® foams and cover materials ARE ANTI-MICROBIAL and FIRE RETARDANT
- 7 YEAR NON-PRORATED WARRANTY

PRESSURE Mapping

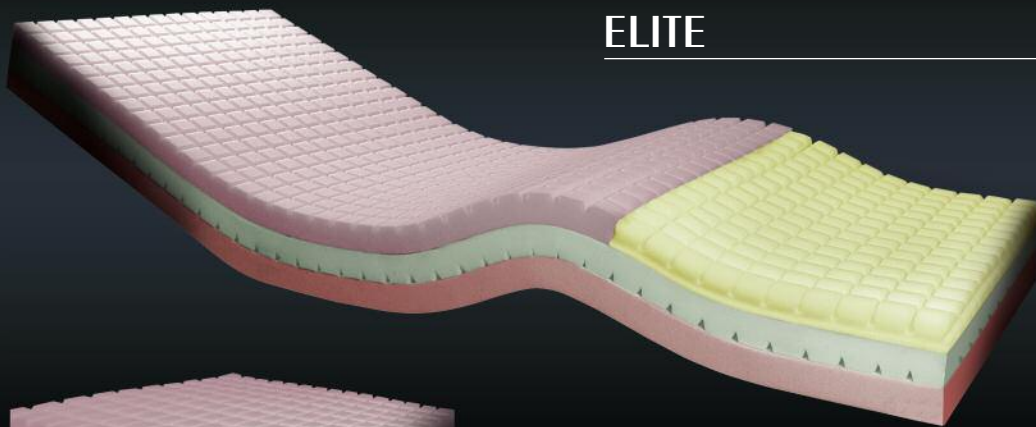


PRESSURE AVERAGE  
10.439 mmHg

PRESSURE MAXIMUM  
20.929 mmHg



## ELITE

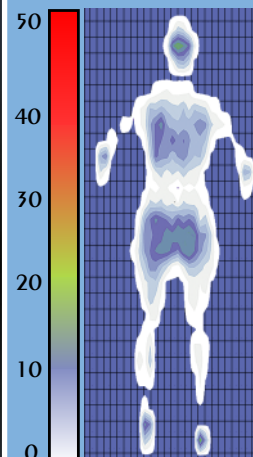


Med-Flex® PPF® FOAM LAYER GUIDE



- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® PPF® foams THROUGHOUT all layers
- DUAL layer EXCLUSIVE pressure-redistribution Reflect® SCT™ design
- High density Med-Flex® PPF® foam BOTTOM layer
- EXCLUSIVE Heel Wrap® PPF® foam with Sphere® design in top layer for MAXIMUM prevention of heel ulcers
- Vyvex II® Low shear nylon, fluid proof top cover
- BARRIER Lok® infection control system
- All Med-Flex® PPF® foams and COVER materials ARE ANTI-MICROBIAL and FIRE RETARDANT
- 6 YEAR NON-PRORATED WARRANTY

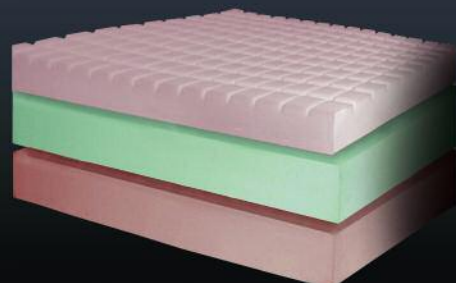
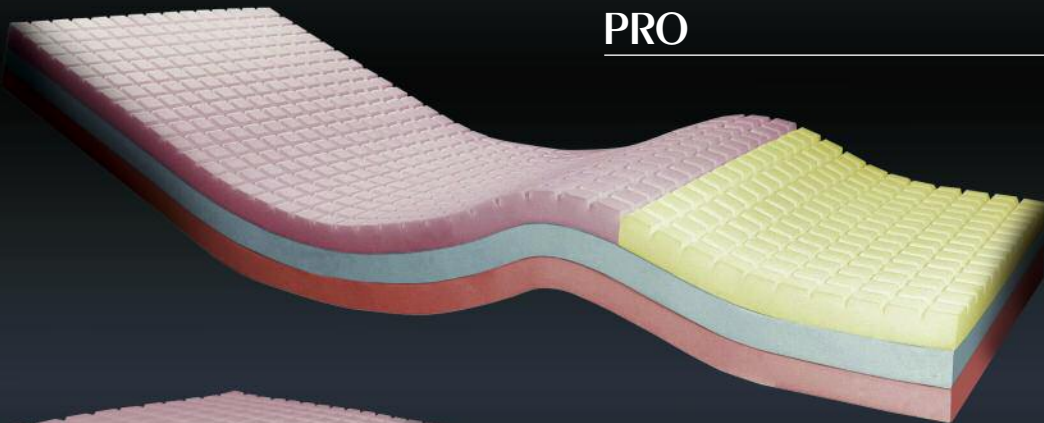
PRESSURE Mapping



PRESSURE AVERAGE  
11.383 mmHg

PRESSURE MAXIMUM  
22.012 mmHg

## PRO

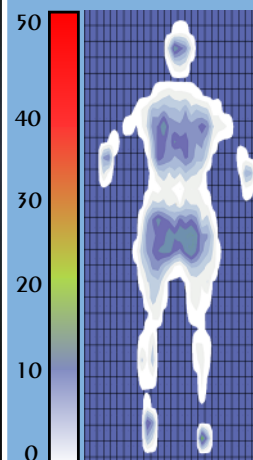


Med-Flex® PPF® FOAM LAYER GUIDE



- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® PPF® foams THROUGHOUT all layers
- EXCLUSIVE pressure-redistribution Reflect® top layer
- EXCLUSIVE Heel Wrap® PPF® foam INCORPORATED in top Reflect® SCT™ layer for MAXIMUM prevention of heel ulcers
- Med-Flex® PPF® foam pressure-redistribution CENTER layer
- High-density Med-Flex® PPF® foam BOTTOM layer
- Vyvex I® Low shear nylon, fluid proof top cover
- BARRIER Lok® infection control system
- All Med-Flex® PPF® foams and COVER materials ARE ANTI-MICROBIAL and FIRE RETARDANT
- 6 YEAR NON-PRORATED WARRANTY

PRESSURE Mapping

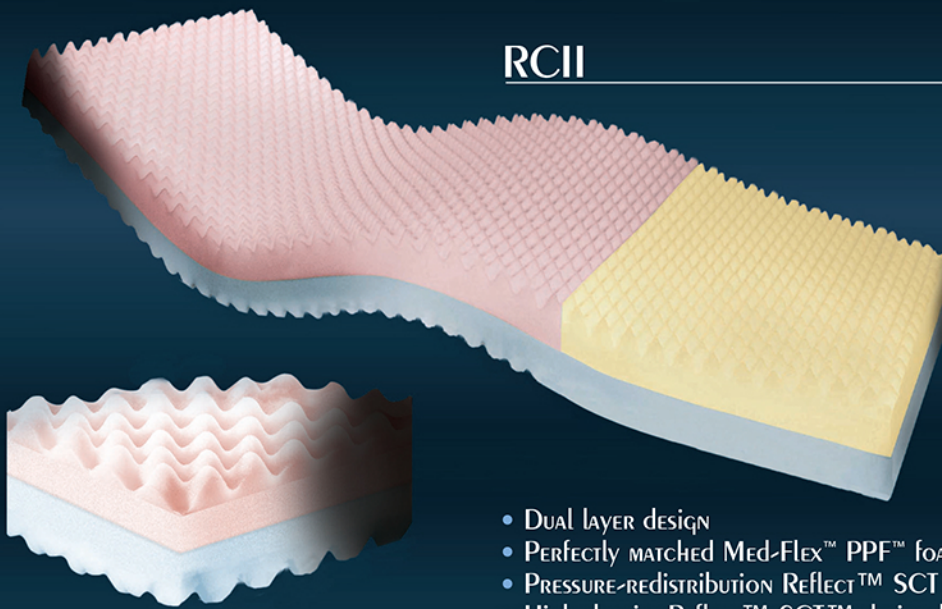


PRESSURE AVERAGE  
12.640 mmHg

PRESSURE MAXIMUM  
23.263 mmHg



## RCII

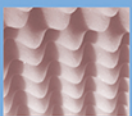


- Dual layer design
- Perfectly matched Med-Flex™ PPF™ foams throughout all layers
- Pressure-redistribution Reflect™ SCT™ design™ top layer
- High-density Reflect™ SCT™ design bottom layer
- Exclusive Heel Wrap™ Reflect™ SCT™ design in top layer for maximum prevention of heel ulcers
- Vyvex I™ Low shear nylon, fluid proof top cover
- Barrier Lok™ infection control system
- Prevention and treatment of Stages I - II pressure ulcers
- All Med-Flex™ PPF™ foams and cover materials are anti-microbial and fire retardant
- 5 year non-prorated warranty

### Med-Flex™ PPF™ Foam Layer Guide

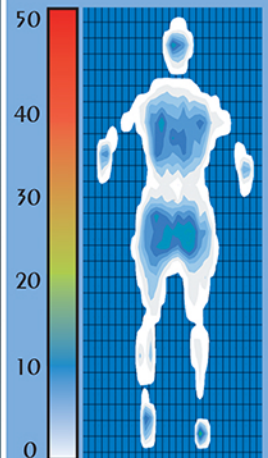


top



bottom

### Pressure Mapping



Pressure Average  
13.840 mmHg

Pressure Maximum  
25.723 mmHg

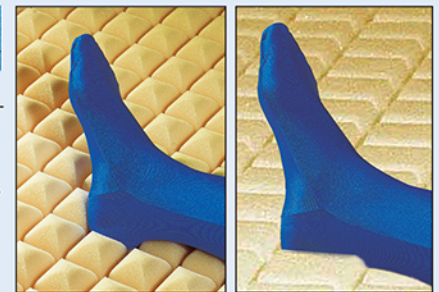
## FEATURES

### Heel Wrap™ PPF™ foam

Exclusive Heel Wrap™ PPF™ foam is incorporated in the top layer of every Pre-Vent II Series® mattress system for maximum prevention of heel ulcers. For years, heel pillows have been buried beneath the top surface of the mattress. Blue Chip's Heel Wrap™ PPF™ foam was brought to the surface to replace the fiber/foam pillow with individual, self-adjusting, pressure-redistribution zones. Heel Wrap™ PPF™ foam provides a cradle of comfort and support in the sensitive heel area with a softer foam that is more durable than conventional fiber/foam heel pillows.

### Barrier Lok™ Infection Control System

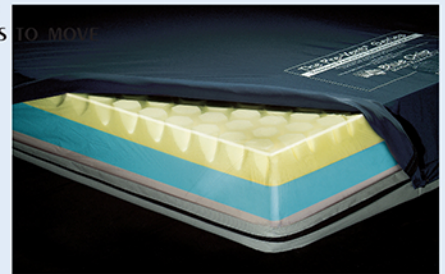
Blue Chip's exclusive Barrier Lok™ feature virtually seals and protects the inner foam core of the mattress by preventing the leaching of fluids from penetrating the perimeter seam of the mattress. The Barrier Lok™ ensures that infection control standards are maintained, thereby providing investment protection on all Pre-Vent II Series® mattress systems.



Sphere™ Heel Wrap™ Reflect™ Heel Wrap™

### Dual-Protection Slip Layer

Our silk film slip layer eliminates friction between the inner foam core and the top cover. This allows both surfaces independently against one another extending the life of the mattress. In addition, the special silk film offers added protection against the leaching of fluids to the inner foam core.



## COVERS

### Vyvex-III™

Vyvex-III™ is a multi-stretch urethane coated fabric with a low moisture vapor transmission rate (MVTR). A low MVTR is desired for the benefit of infection control and the wicking of fluids away from the skin. Vyvex-III™ is fluid proof and offers low-shear, low-friction protection, is anti-microbial, fire retardant, stain resistant and washable. This cover features Blue Chip's exclusive Barrier Lok™ infection control system. Vyvex-III™ is standard on the Suspension Pre-Vent II Series® mattress system and is available as an option on all other models.



### Vyvex-II™ • Vyvex-I™

Vyvex-II™ is Nylon Butyl-backed; Vyvex-I™ is a Nylon PVC-backed top cover with a low moisture vapor transmission rate (MVTR). Vyvex-II™ and Vyvex-I™ are both fluid proof and offer low-shear, low-friction protection and are anti-microbial, fire retardant, stain resistant and washable. This cover features Blue Chip's exclusive Barrier Lok™ infection control system. Vyvex-II™ is standard on the Supreme and Elite mattress systems. Vyvex-I™ is standard on the Pro and RC mattress systems.



## SPECIFICATIONS



Shown in Vyvex-II cover

### SUSPENSION

Model BCSS II-3676	36" x 76" x 6"
Model BCSS II-3680	36" x 80" x 6"
Model BCSS II-3684	36" x 84" x 6"
Top Cover:	VyVEX-III™
Bottom Cover:	9oz. tri-laminate vinyl
Warranty:	8 years non-prorated

### SUPREME

Model BCSP II-3676	36" x 76" x 6"
Model BCSP II-3680	36" x 80" x 6"
Model BCSP II-3684	36" x 84" x 6"
Top Cover:	VyVEX-II™
Bottom Cover:	9oz. tri-laminate vinyl
Warranty:	7 years non-prorated

\* Supports up to 350 lbs.

### ELITE

Model BCEL II-3676	36" x 76" x 6"
Model BCEL II-3680	36" x 80" x 6"
Model BCEL II-3684	36" x 84" x 6"
Model BCEL II-4280BAR	42" x 80" x 7"
Model BCEL II-4880BAR	48" x 80" x 7"
Top Cover:	VyVEX-II™
Bottom Cover:	9oz. tri-laminate vinyl
Warranty:	6 years non-prorated

### PRO

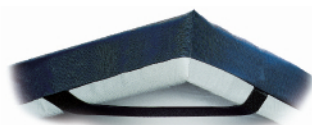
Model BCPR II-3676	36" x 76" x 6"
Model BCPR II-3680	36" x 80" x 6"
Model BCPR II-3684	36" x 84" x 6"
Top Cover:	VyVEX-I™
Bottom Cover:	9oz. tri-laminate vinyl
Warranty:	6 years non-prorated

### RCII

Model BCRC II-3676	36" x 76" x 6"
Model BCRC II-3680	36" x 80" x 6"
Model BCRC II-3684	36" x 84" x 6"
Top Cover:	VyVEX-I™
Bottom Cover:	9oz. tri-laminate vinyl
Warranty:	5 years non-prorated

## ACCESSORIES

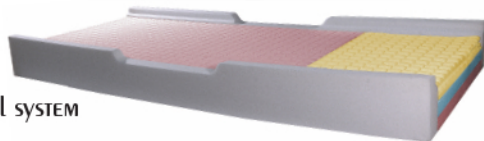
Safety Guard™



### SECURE GUARD™

ELIMINATES MATTRESS MOVEMENT DURING PATIENT TRANSFERS AND NURSING CARE. This Multi-purpose accessory allows the mattress to be secured to the bed frame while doubling as a flat sheet hold-down device. SECURE GUARD® is an option on all PREVENT models.

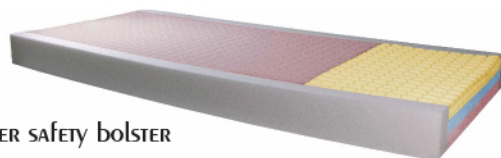
SRS™ safety rail system



### SRS™ - Safety Rail System & PSB™ - Perimeter Safety Bolster

THE PSB™ PERIMETER SAFETY BOLSTER IS STANDARD ON ALL PREVENT II SERIES® MATTRESS SYSTEMS. THE SRS™ SAFETY RAIL SYSTEM CAN BE ADDED TO ANY MODEL TO REDUCE THE RISK OF PATIENT FALLS. BOTH SYSTEMS COMPLY WITH THE NEW FDA PATIENT ENTRAPMENT GUIDELINES. BOTH SYSTEMS ARE MADE WITH THE SAME MED-FLEX™ PPF™ FOAM USED IN THE PREVENT II SERIES® MATTRESSES. SRS™ IS A RAISED SIDE RAIL SYSTEM.

PSB® PERIMETER SAFETY BOLSTER



- \* PRE-VENT II SERIES® MATTRESS SYSTEMS will support patients weighing up to 350 lbs.
- \*\* BARIATRIC SIZES FOR PATIENTS weighing up to 650 lbs., CUSTOM BARIATRIC SIZES AVAILABLE FOR PATIENTS weighing up to 1000 lbs. Available in ELITE system only. PLEASE specify bed dimensions and patient's weight.
- \*\*\* ALL PREVENT II SERIES® MATTRESSES USE CERTIPUR™ PPF™ FOAM.
- \*\*\*\* CHEMSAFE™ BOTTOM COVER AND CARRY HANDLES ARE STANDARD ON ALL MATTRESSES

### ANTI-MICROBIAL PROTECTION

ALL PPF™ FOAMS AND VYVEX™ MATTRESS COVERINGS ARE ANTI-MICROBIAL AND EFFECTIVELY PROTECT AGAINST BACTERIAL GROWTH. THE ANTI-MICROBIAL ADDITIVE USED IS PROVEN TO BE EFFECTIVE AGAINST A WIDE SPECTRUM OF MICRO-ORGANISMS, INCLUDING (MRSA), mold, mildew, staining and odors CAUSED BY FUNGAL ORGANISMS.

### FLAMMABILITY INFORMATION

ALL PREVENT II SERIES® MATTRESS SYSTEMS ARE COVERED WITH BLAZE BLOCKER TO MEET FEDERAL FLAMMABILITY STANDARD 16 CFR 1633 IN ADDITION TO CALIFORNIA TECHNICAL BULLETIN, #129, 603, LIFE SAFETY CODE 101 AND CITY OF BOSTON 1X-11.

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