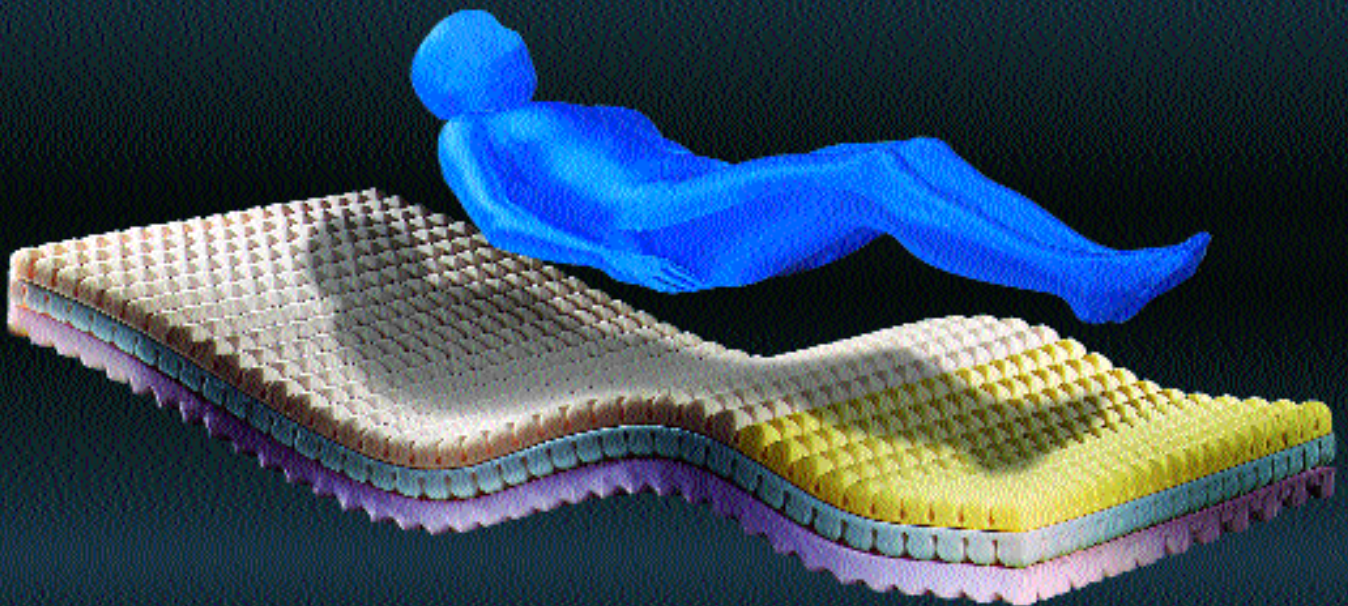


PRE-VENT SERIES® PRESSURE RELIEVING MATTRESS SYSTEMS

*Prevention by Suspension™*



Blue Chip Medical Products



## PRE-VENT SERIES® MATTRESS SYSTEMS

### Prevention by Suspension™

THE PRE-VENT SERIES® OF THERAPEUTIC PRESSURE-RELIEVING MATTRESSES IS THE CULMINATION OF EXTENSIVE RESEARCH AND TESTING. BLUE CHIP MEDICAL'S EXCLUSIVE SPHERE® AND HEXON® 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® VPF™ 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 PATIENTS WEIGHT, SIZE (BUILD) AND SHAPE. BLUE CHIP'S PATENT PENDING SPHERE® AND HEXON® DESIGNS ACT INDEPENDENTLY AS ITS OWN SELF-ADJUSTING, PRESSURE-RELIEVING ZONE. EVERY COMPONENT UNDERGOES A STRICT PROTOCOL TO ENSURE CLINICAL EFFICACY, INFECTION CONTROL STANDARDS AND DURABILITY FOR THE LIFE OF THE MATTRESS.

### VPF™ (Variable Pressure Foaming) Manufacturing Process

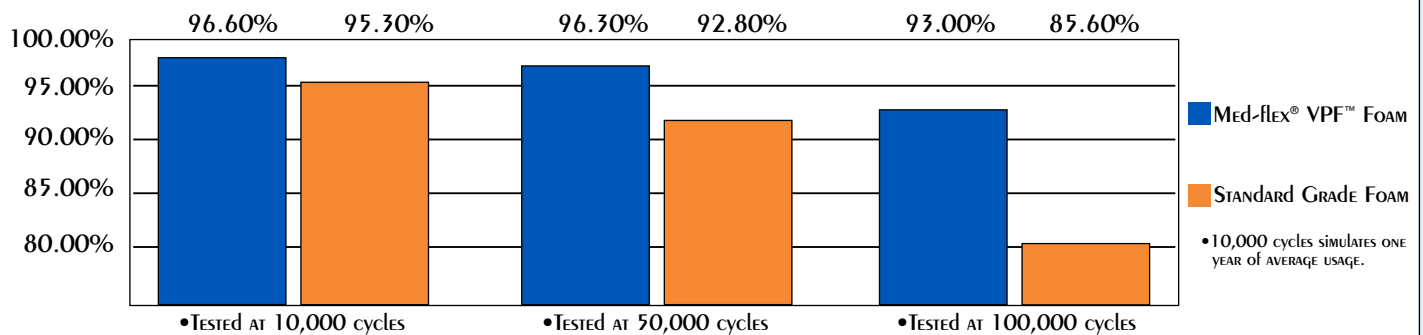
VPF™ IS THE MOST MODERN MANUFACTURING PROCESS USED TODAY. THIS PROCESS, KNOWN AS CHAMBER TECHNOLOGY, USES AN ENCLOSED CONTROLLED ENVIRONMENT RATHER THAN A TRADITIONAL OPEN-LINE POUR. CHAMBER TECHNOLOGY ALLOWS FOR THE PRECISION CONTROL OF ATMOSPHERIC PRESSURES DURING MANUFACTURING ADDING TO THE PURITY OF THE FOAM'S CELL STRUCTURE. THIS METHOD GREATLY REDUCES THE SAG FACTOR (DEFLECTION), THEREBY ENHANCING THE PRODUCT'S LIFE AND EXTENDING THE UNCOMPROMISED PRESSURE-RELIEVING QUALITIES OF OUR FOAM MATTRESS SYSTEMS. VPF™ TECHNOLOGY ENABLES BLUE CHIP TO WARRANTY THE LONGEVITY OF OUR PRE-VENT SERIES™ MATTRESSES TO OUTLAST ALL OTHER CONVENTIONAL MATTRESS SYSTEMS.

### Med-Flex® VPF™ Foam Formulation

MED-FLEX® VPF™ FOAM IS OUR EXCLUSIVE FORMULATION MADE FROM A MUCH HIGHER POLYMER FILL CONTENT IN RESPECT TO CONVENTIONALLY Poured FOAMS. IN CONJUNCTION WITH CHAMBER TECHNOLOGY MED-FLEX® VPF™ FOAM PRODUCES A LONGER LASTING, SOFTER CELL STRUCTURE, YIELDING GREATER SUPPORT WITHOUT COMPROMISING TRUE FOAM COMFORT. MED-FLEX® VPF™ FOAM ALLOWS US TO PRODUCE VARIABLE DENSITIES AND IFDs' (INDENTATION FORCE DEFLECTION), WHICH ARE STRONGER IN STRENGTH (TENSILE), AND PROVIDE OVERALL DURABILITY FACTORS NEVER REALIZED IN A MEDICAL MATTRESS APPLICATION. THE MED-FLEX® VPF™ FOAM HEIGHT RETENTION LOSS IS VIRTUALLY ELIMINATED, OFFERING EFFECTIVE CLINICAL OUTCOMES OVER ITS ENTIRE LIFE. ALL MED-FLEX® VPF™ FOAM'S ARE ANTI-MICROBIAL AND FIRE RETARDANT.

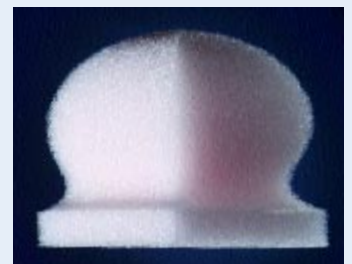
### MED-FLEX® VPF™ FOAM HEIGHT RETENTION CHART

THIS CHART PROVIDES CLINICAL DATA OF A LABORATORY TEST USING A 200 LB. COMPRESSION ROLLER WHICH SHOWS SIMULATED USAGE OVER A TEN YEAR PERIOD. TEST RESULTS PROVED THAT MED-FLEX® VPF™ FOAMS OUTPERFORMED STANDARD GRADE FOAMS BY UP TO 50%. BLUE CHIP MEDICAL'S PRE-VENT SERIES® MATTRESS SYSTEMS WILL MAINTAIN PROPER SUPPORT AND PROVIDE A PRESSURE-RELIEVING SURFACE FOR ITS ENTIRE CLINICAL LIFE.



### The Sphere®

THE PATENT-PENDING ANATOMICALLY INSPIRED SPHERE SHAPE OFFERS THE MOST UNIQUE DESIGN THE THERAPEUTIC SUPPORT SURFACE INDUSTRY HAS EVER SEEN. THE SPHERE® DESIGN IS CLINICALLY EFFECTIVE IN RELIEVING THE INTERFACE PRESSURES WHICH CREATE PRESSURE SORES. COMPRESSING THE SPHERE DOWN EXPANDS THE SURFACE AREA INTO A FLAT PRESSURE-RELIEVING 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-RELIEVING 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.



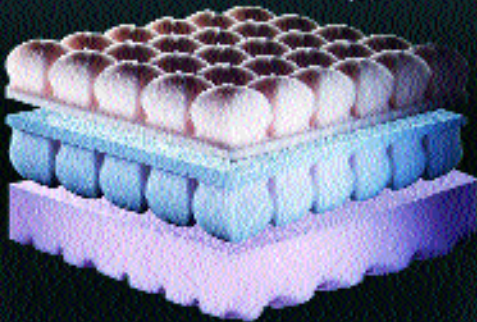
### HEXON® SMT™ (Surface Modification Technology)

SURFACE MODIFICATION TECHNOLOGY 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-RELIEVING SURFACE THAT GIVES UNLIMITED COMFORT ZONES NEVER THOUGHT POSSIBLE IN A SINGLE PIECE OF FOAM. SMT™ ALLOWS THE HEXON® 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 RELIEVE PRESSURE AROUND BONY PROMINENCES.





## SUSPENSION



Med-Flex® VPF™ FOAM LAYER GUIDE



TOP



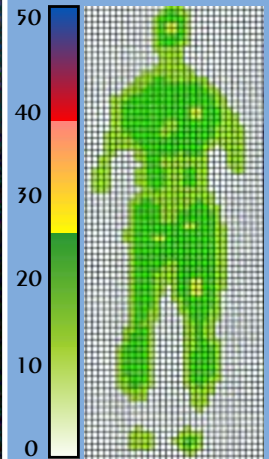
CENTER



BOTTOM

- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® VPF™ FOAMS THROUGHOUT ALL LAYERS
- FULLY AUTOMATIC, TOTALLY ZONED MATTRESS SURFACE
- DUAL LAYER PRESSURE-RELIEVING SPHERE® DESIGN
- HIGH DENSITY ANATOMICALLY INSPIRED HEXON® BOTTOM LAYER
- EXCLUSIVE HEEL WRAP® FOAM INCORPORATED IN TOP LAYER FOR MAXIMUM PREVENTION OF HEEL ULCERS
- VYVEX® MULTI-STRETCH, FLUID PROOF TOP COVER
- BARRIER LOK® INFECTION CONTROL SYSTEM
- SECURE GUARD® MATTRESS SAFETY SYSTEM
- ALL Med-Flex® VPF™ FOAMS AND COVER MATERIALS ARE ANTI-MICROBIAL AND FIRE RETARDANT
- 8 YEAR NON-PRORATED WARRANTY

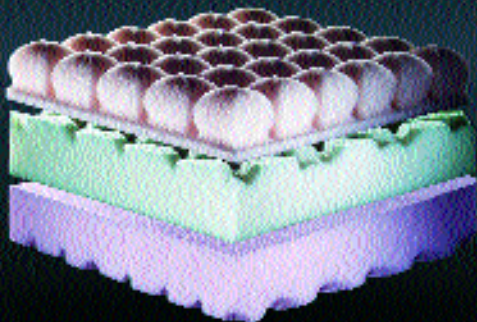
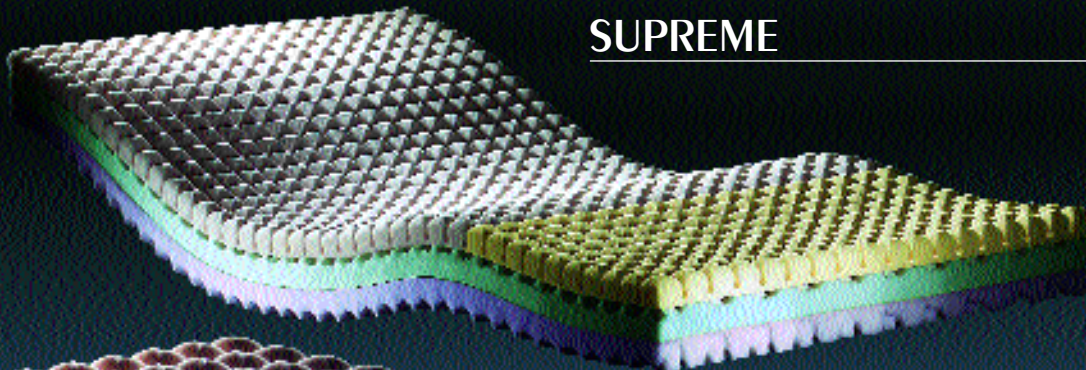
### PRESSURE MAPPING



PRESSURE AVERAGE  
9.734 mmHg

PRESSURE MAXIMUM  
19.322 mmHg

## SUPREME



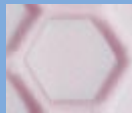
Med-Flex® VPF™ FOAM LAYER GUIDE



TOP



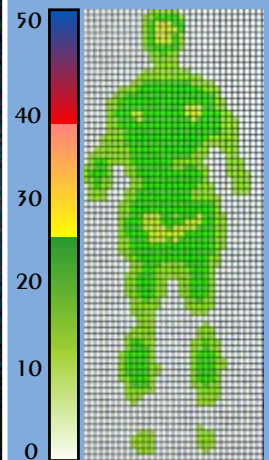
CENTER



BOTTOM

- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® VPF™ FOAMS THROUGHOUT ALL LAYERS
- FULLY AUTOMATIC, TOTALLY ZONED MATTRESS SURFACE
- PATENT PENDING PRESSURE-RELIEVING SPHERE® DESIGN TOP LAYER
- EXCLUSIVE HEEL WRAP® VPF™ FOAM INCORPORATED IN TOP LAYER FOR MAXIMUM PREVENTION OF HEEL ULCERS
- EXCLUSIVE PRESSURE RELIEVING HEXON® CENTER LAYER
- HIGH DENSITY ANATOMICALLY INSPIRED HEXON® BOTTOM LAYER
- VYVEX II® NYLON, FLUID PROOF TOP COVER
- BARRIER LOK® INFECTION CONTROL SYSTEM
- ALL Med-Flex® VPF™ FOAMS AND COVER MATERIALS ARE ANTI-MICROBIAL AND FIRE RETARDANT
- 7 YEAR NON-PRORATED WARRANTY

### PRESSURE MAPPING

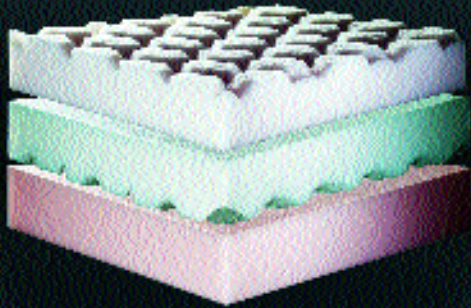
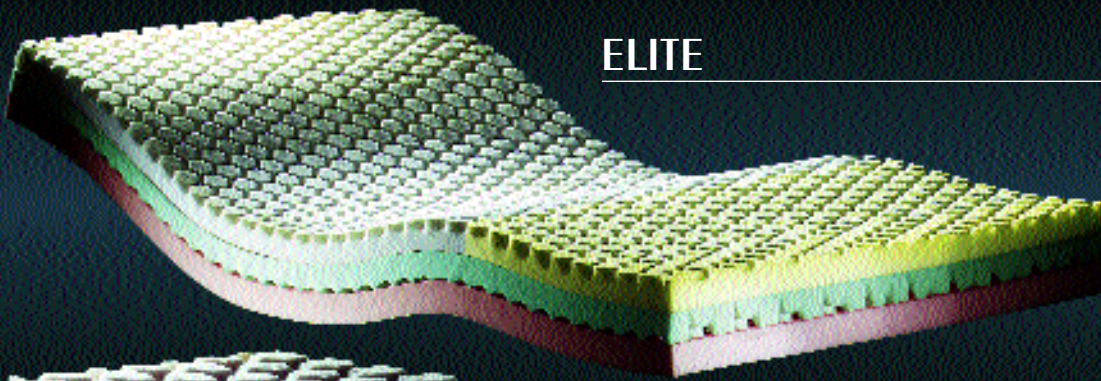


PRESSURE AVERAGE  
10.439 mmHg

PRESSURE MAXIMUM  
20.929 mmHg



## ELITE

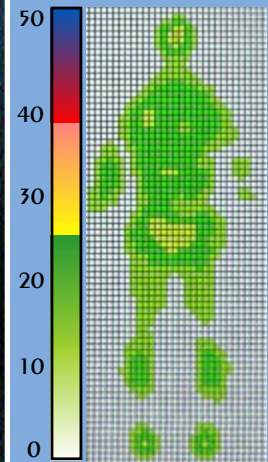


Med-Flex® VPF™ FOAM LAYER Guide



- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® VPF™ FOAMS THROUGHOUT ALL LAYERS
- DUAL LAYER EXCLUSIVE PRESSURE-RELIEVING HEXON® DESIGN
- EXCLUSIVE HEEL WRAP® VPF™ FOAM INCORPORATED IN TOP LAYER FOR MAXIMUM PREVENTION OF HEEL ULCERS
- HIGH DENSITY Med-Flex® VPF™ FOAM BOTTOM LAYER
- VYVEX II® NYLON, FLUID PROOF TOP COVER
- BARRIER LOK® INFECTION CONTROL SYSTEM
- ALL Med-Flex® VPF™ FOAMS AND COVER MATERIALS ARE ANTI-MICROBIAL AND FIRE RETARDANT
- 6 YEAR NON-PRORATED WARRANTY

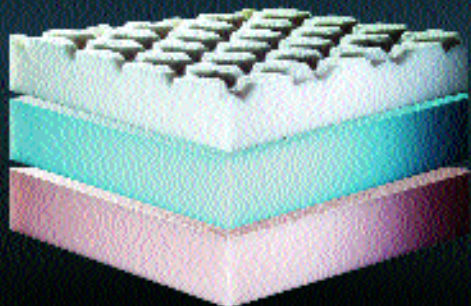
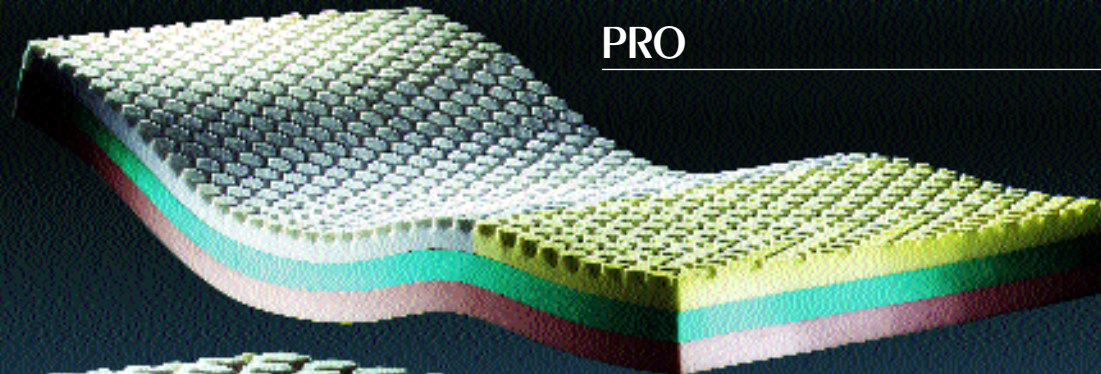
### PRESSURE MAPPING



PRESSURE AVERAGE  
11.383 mmHg

PRESSURE MAXIMUM  
22.012 mmHg

## PRO

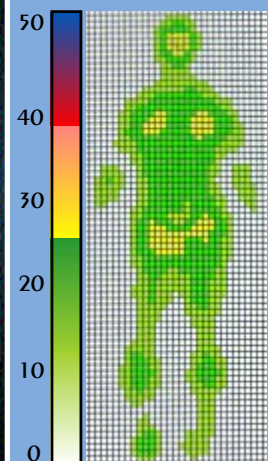


Med-Flex® VPF™ FOAM LAYER Guide



- Tri-LAMINATE DESIGN
- PERFECTLY MATCHED Med-Flex® VPF™ FOAMS THROUGHOUT ALL LAYERS
- EXCLUSIVE PRESSURE-RELIEVING HEXON® TOP LAYER
- EXCLUSIVE HEEL WRAP® VPF™ FOAM INCORPORATED IN TOP LAYER FOR MAXIMUM PREVENTION OF HEEL ULCERS
- Med-Flex® VPF™ FOAM PRESSURE-RELIEVING CENTER LAYER
- HIGH-DENSITY Med-Flex® VPF™ FOAM BOTTOM LAYER
- VYVEX I® NYLON, FLUID PROOF TOP COVER
- BARRIER LOK® INFECTION CONTROL SYSTEM
- ALL Med-Flex® VPF™ FOAMS AND COVER MATERIALS ARE ANTI-MICROBIAL AND FIRE RETARDANT
- 5 YEAR NON-PRORATED WARRANTY

### PRESSURE MAPPING



PRESSURE AVERAGE  
12.640 mmHg

PRESSURE MAXIMUM  
23.263 mmHg



## FEATURES

### HEEL WRAP® VPF™ FOAM

Exclusive Heel Wrap® VPF™ foam is incorporated in the top layer of every Pre-Vent 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® VPF™ foam was brought to the surface to replace the fiber/foam pillow with individual, self-adjusting, pressure-relieving zones. Heel Wrap® VPF™ 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.



Sphere® Heel Wrap® VPF™ Foam



Hexon® Heel Wrap® VPF™ Foam

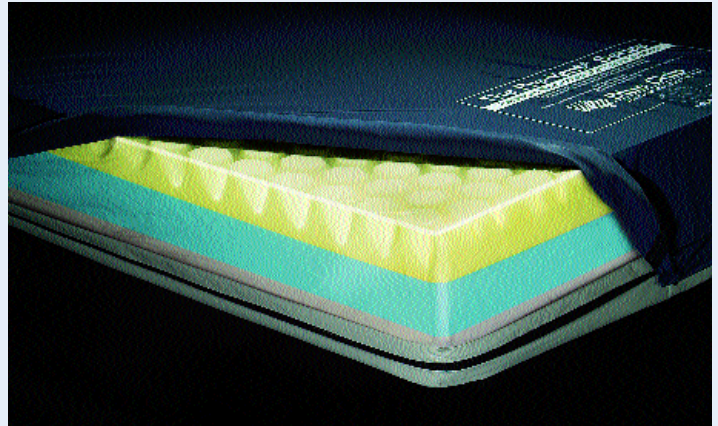
### Barrier Lok™ Infection Control System

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 Series® mattress systems.



### Dual-Protection Slip Layer

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



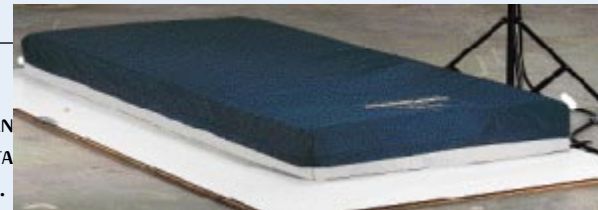
### ANTI-MICROBIAL PROTECTION

All Med-Flex® VPF™ 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 microorganisms, including (MRSA), mold, mildew, staining and odors caused by fungal organisms.

## COVERS

### Vyvex-III®

Vyvex-III® is a 4-way 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. This cover features Blue Chip's exclusive Barrier Lok™ infection control system. The Suspension Pre-Vent Series® mattress system and is available as an option on all other models.

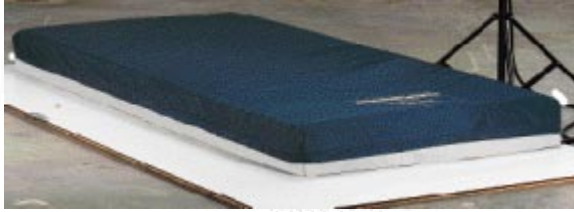


### Vyvex-II® • Vyvex-I®

Vyvex-II® is Nylon Butyl-backed; Vyvex-I® is a Nylon Vinyl-backed top cover with a low moisture vapor transmission rate. 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 Pre-Vent Series® mattress systems. Vyvex-I® is standard on the Pro Pre-Vent Series® mattress system.



## SPECIFICATIONS



### SUSPENSION

Model BCSS3676	36" x 76" x 6.5"
Model BCSS3680	36" x 80" x 6.5"
Model BCSS3684	36" x 84" x 6.5"
Top COVER:	VyVEX-III®
BOTTOM COVER:	9oz. TRI-LAMINATE VINYL
WARRANTY:	8 YEARS NON-PRORATED



### SUPREME

Model BCSU3676	36" x 76" x 6.25"
Model BCSU3680	36" x 80" x 6.25"
Model BCSU3684	36" x 84" x 6.25"
Top COVER:	VyVEX-II®
BOTTOM COVER:	9oz. TRI-LAMINATE VINYL
WARRANTY:	7 YEARS NON-PRORATED



### ELITE

Model BCEL3676	36" x 76" x 6"
Model BCEL3680	36" x 80" x 6"
Model BCEL3684	36" x 84" x 6"
Model BCEL4280BAR	42" x 80" x 7"
Model BCEL4880BAR	48" x 80" x 7"
Top COVER:	VyVEX-II®
BOTTOM COVER:	9oz. TRI-LAMINATE VINYL
WARRANTY:	6 YEARS NON-PRORATED



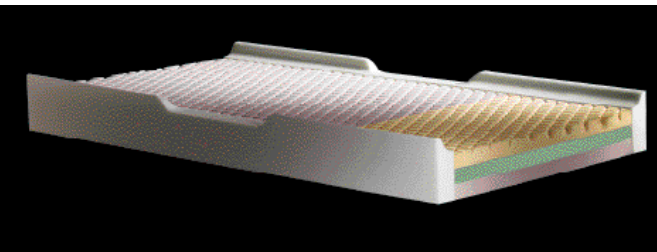
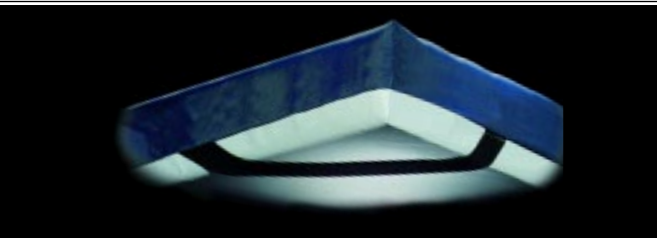
### PRO

Model BCPR3676	36" x 76" x 6"
Model BCPR3680	36" x 80" x 6"
Model BCPR3684	36" x 84" x 6"
Top COVER:	VyVEX-I®
BOTTOM COVER:	9oz. TRI-LAMINATE VINYL
WARRANTY:	5 YEARS NON-PRORATED

- PRE-VENT SERIES® MATTRESS SYSTEMS will support patients weighing up to 300 lbs.
- BARIATRIC SIZES FOR PATIENTS weighing up to 1000 lbs. ARE AVAILABLE IN ELITE SYSTEM ONLY. PLEASE SPECIFY BED DIMENSIONS AND PATIENTS WEIGHT.
- VISCO-ELASTIC FOAM CAN BE ADDED TO ANY MATTRESS STYLE, PLEASE SPECIFY WHEN ORDERING.

### FLAMMABILITY INFORMATION

ALL PREVENT SERIES® MATTRESS SYSTEMS MEET FEDERAL FLAMMABILITY STANDARD 16 CFR 1632, AS WELL AS FLAME-RETARDANCY SPECIFICATIONS STATED IN CALIFORNIA TECHNICAL BULLETIN #117. ALL MATTRESSES CAN BE ORDERED WITH A SPECIAL UPGRADED FIRE BARRIER PROTECTION TO MEET FLAME RETARDANCY SPECIFICATIONS. THIS INCLUDES CALIFORNIA TECHNICAL BULLETIN #121 & #129 AND CITY OF BOSTON 1X-11.



## ACCESSORIES

### 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 STANDARD ON THE SUSPENSION MODEL.

### SRS® - SAFETY RAIL SYSTEM

BLUE CHIP SRS® SAFETY RAIL SYSTEM CAN BE ADDED TO ANY MODEL TO REDUCE THE RISK OF PATIENT FALLS. SRS® IS MADE FROM THE SAME PRESSURE RELIEVING MED-FLEX® VPF™ FOAM USED IN OUR PREVENT SERIES™ MATTRESS SYSTEMS. USING MED-FLEX® VPF™ FOAM ALLOWS BLUE CHIP TO PROVIDE PATIENT SAFETY WITHOUT COMPROMISING THE PRESSURE REDUCTION SURFACE AREA.

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website: www.bluechipmedical.com