

Olympic Performance

**Chosen for use
at the 1994,
1996 and 2002
Olympic Games**



HARTWELL MEDICAL EVAC-U-SPLINT®

**The only immobilization technology
that provides continuous spinal
support and patient comfort in one
complete package.**

Here's the Clinical Proof:

"We contend that a patient with an acute spinal injury should be transferred to a conforming support surface until appropriate investigations are complete. Managing a spinal injury in this way may reduce the incidence of pressure necrosis and the possibility of further neurological compromise."

M.E. Lovell MD and J.H. Evans MD
Noble Hospital, Isle of Man UK
INJURY: INTERNATIONAL JOURNAL OF
THE CARE OF THE INJURED
1994, VOL. 25, NO 3

"The results suggest that vacuum mattress splints cause less discomfort than do wooden backboards."

T.R. Delbridge, et al.
Division of Emergency Medicine
UNIVERSITY OF PITTSBURGH
PREHOSPITAL AND DISASTER MEDICINE
1994, VOL. 9 NO 3

"There was a 75% preference for vacuum splint(s) over backboard(s), ... which was attributed to the ability of the vacuum splint to adapt to individual anatomical variation."

Steve O. Holsenback, et al.
Akron General Medical Center
NAEMSP ANNUAL MEETING ABSTRACTS
2004, VOL. 8, NO 1

Adult Mattress The EVAC-U-SPLINT® Adult Mattress offers fast, full-body immobilization without inward pressure. The vacuum mattress comfortably conforms to every body contour, ensuring proper patient support and stabilization. Unlike hard, rigid backboards, vacuum technology dissipates the patient's weight, thus reducing pressure point tissue damage. Patented integrated slats and the simple strap system provide maximum support and security.

Pediatric Mattress Like the adult mattress, the Pediatric Mattress is designed to mold to the child's specific body contours, providing a secure cradle that is both supportive and comfortable. The child is held securely and comfortably in neutral alignment reducing the struggling, fear and anxiety common with pediatric patients. Designed to accommodate children in the 2-10 year age group, the Pediatric Mattress has built-in handles and is easy to lift and carry.

Splint Set When fractures or dislocations are suspected the Splint Set provides the fastest, most effective method for immobilizing extremities. The three splints are sized to fit every conceivable situation. Durable yet comfortable material molds to every body contour. The compact pump is virtually indestructible and the EVAC-U-SPLINT MaxiValve™ is guaranteed for life.



HARTWELL MEDICAL

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Creating Quality Products for Life

www.HartwellMedical.com



EVAC-U-SPLINT® Adult Mattress

The EVAC-U-SPLINT® adult mattress provides fast, effective and comfortable immobilization by molding to the contours of the patient's body. Evenly distributed spinal support reduces pressure point tenderness and minimizes rehabilitation time. The unique polystyrene bead filling provides thermal insulation decreasing the potential for hypothermia. The EVAC-U-SPLINT adult mattress is X-ray and MRI compatible. Folds in thirds for storage in an interior or exterior compartment. The innovative MaxiValve™ system is fast, effective, and has no parts to lose. Three year warranty on materials and workmanship. Lifetime warranty on MaxiValve.

Specifications:

DIMENSIONS:

Unfolded: 78.75" L x 29.5"W x 2.5"D
(200cm x 75cm x 6.4cm)

Folded: 31.5" L x 28"W x 6" D
(80cm x 71cm x 15cm) in carrying case

WEIGHT:

Mattress Only:
12.1 lbs. (5.5 kg)

Mattress, Case & Pump:
16.75 lbs. (7.6 kg)

OPERATING TEMPERATURE:

-30° F to 150° F (-34° C to 66° C)

LOAD CAPACITY:

350 lbs. (159 kg)

MATERIALS:

Fabric: Vinyl/polyester laminate

Filling: Polystyrene beads treated for fire resistance

Stiffener: Birch plywood

Valve: Non-magnetic, self-sealing

Buckles: Delrin

Carry Case: Nylon

Vacuum Pump: Aluminum cylinder

*NSN - 6515 01 408 7539



EVAC-U-SPLINT® Pediatric Mattress

A simple solution to pediatric immobilization. Uncomplicated design enables fast, accurate application of the EVAC-U-SPLINT Pediatric Mattress. Conforming beads make positioning of the patient in neutral alignment a quick on-scene procedure. No additional blankets or pads are necessary. No parts to lose. Child is held securely and comfortably without unnecessary pressure, thus reducing child anxiety during transport. Filled with thousands of polystyrene beads, the vacuum mattress acts as a thermal insulator helping to maintain the child's core body temperature. Integrated slats provide additional rigidity. Three year warranty on materials and workmanship. Lifetime warranty on MaxiValve.

Specifications:

DIMENSIONS:

Unfolded: 50" L x 20"W x 2"D
(127cm x 51cm x 5cm)

Folded: 23" L x 20"W x 4"D
(58cm x 51cm x 10cm) in carrying case

WEIGHT:

Mattress Only:
5.0 lbs. (2.3 kg)

Mattress, Case & Pump:
9.2 lbs. (4.2 kg)

OPERATING TEMPERATURE:

-30° F to 150° F (-34° C to 66° C)

LOAD CAPACITY:

75 lbs. (34 kg)

MATERIALS:

Fabric: Vinyl/polyester laminate

Filling: Polystyrene beads treated for fire resistance

Stiffener: Birch plywood

Valve: Non-magnetic, self-sealing

Buckles: Delrin

Carry Case: Nylon

Vacuum Pump: Aluminum cylinder

*NSN - 6515 01 398 5469



EVAC-U-SPLINT® Extremity Splint Set

Set of three splints provides a solution to almost every conceivable splinting situation. From dislocated shoulders to angulated wrist fractures, these splints are supple and conforming, yet durable and easy to clean. Duffel-style carry case holds all three splints and compact manual vacuum pump. Hook and loop or side-release buckle straps. Specify your strap choice when ordering. Three year warranty on materials and workmanship. Lifetime warranty on the MaxiValve.



Specifications:

DIMENSIONS:

Large:
40" x 30" x 1"
(102cm x 76cm x 2.5cm)

Medium:
27.5" x 20" x 1" (70 x 51 x 2.5 cm)

Small:
19.5" x 13" x 1" (50 x 33 x 2.5 cm)

Stored in Carry Case:
24" x 11" x 11" (61 x 28 x 28 cm)

WEIGHT:

Splints only:
Large: 2.2 lbs. (1.0 kg)

Medium: 1.0 lbs. (0.5 kg)

Small: 0.5 lbs. (0.2 kg)

Splints, Case & Compact Pump:
6.4 lbs. (2.9 kg)

OPERATING TEMPERATURE:

-30° F to 150° F (-34° C to 66° C)

MATERIALS:

Fabric: Vinyl/nylon laminate

Filling: Polystyrene beads treated for fire resistance

Valve: Non-magnetic, self-sealing

Closures: Hook and loop or side-release buckles

Carry Case: Nylon

Vacuum Pump: Aluminum cylinder

*NSN - 6515 01 398 5455



EVAC-U-SPLINT® Complete System

The complete system includes the EVAC-U-SPLINT adult mattress and the extremity splint set, both storage/carry cases, and our indestructible aluminum pumps. The standard vacuum pump with foot stirrup is packaged with the adult mattress and the compact vacuum pump is stored with the splint kit, so you will always have the pump you need. All EVAC-U-SPLINT products come with the easy-to-use MaxiValve. Three year warranty on materials and workmanship. Lifetime warranty on the MaxiValve.



MaxiValve™

Guaranteed to hold a vacuum for 72 hours.

This innovative valve system is fast, effective and easy to use by all EMS and hospital personnel. Quick connect and disconnect is simple and intuitive. No special training required. Audible click ensures a positive connection, even in low light conditions. Unique vent system makes it easy to use even with gloves on. The MaxiValve is designed to work with all previous EVAC-U-SPLINT systems.

**Order # EV15RET
MaxiValve™ Retrofit Kit**

Our company philosophy is one of constant improvement. Therefore, specifications are subject to change without notice.

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