

BABYPOD



Infant Transport Device



AHT

ADVANCED
HEALTHCARE
TECHNOLOGY

Introducing the **BABYPOD II** Infant Transport Device

Transporting newborn infants requires an environment that will keep them safe and warm. Until now, the only way to guarantee this has been to use a heavy, cumbersome, and physically large transport incubator. These expensive devices require an electrical supply to function and are not readily available as they require additional equipment and dedicated vehicles.

Enhanced safety features

When infants are transported they have to be placed in their mothers arms! These infants run the risk of heat-loss and injury should the transporting vehicle be involved in an accident, have to take evasive action to avoid a collision or, in the case of an aircraft, be subject to turbulence during flight.

The **Baby Pod II** uses technology, materials, and design features that protect Formula 1 race car drivers from injury during a crash. The external shell of the pod is manufactured from carbon-fibre with no metal components, allowing the infant to have an MRI, CT scan, or X-Ray while remaining safely in the pod.

This hi-tech, carbon-fibre construction complies with the latest **European Ambulance Standards (CEN 1789)** requirement of 10g crash test survivability. This represents a crash at 55 kilometers per hour (30 mph)!

A unique fixation system, using webbing straps and quick release buckles, allows the pod to be mounted to any patient transport device. There is no need for any special mounting points on the stretcher or in the transport vehicle.

Providing for ease-of-use, warmth, and mobility

The **Baby Pod II** offers the features provided by standard transport incubators without the complexity of design. Ventilators and oxygen therapy equipment can be easily attached to the pod using custom designed brackets with access ports allowing tubing and direct patient contact without ever opening the pod.

Warmth is provided by the clinically proven **TransWarmer® Infant Transport Mattress**. This unique, exothermic gel, mattress provides a constant 38°C (100°F) temperature for up to two hours.

The **Baby Pod II** weighs only 9.5kg (21lbs) and is intended for infants up to 8 kilograms allowing a single person to easily lift and maneuver the pod.

The most cost-effective transport system in the world

As the overall size and interior environment of the **Baby Pod II** is minimized to reduce weight, the consumption of supplemental oxygen is also reduced. Regular transport incubators require up to 8 liters per minute to reach a 36% concentration. An oxygen flow of 2 liters per minute in the **Baby Pod II** will maintain this concentration. This reduction in oxygen consumption increases the cylinder duration by up to 400%.

At a cost that is less than 20% of a standard transport incubator, reduced oxygen consumption, lighter carbon-fibre construction and enhanced safety features, the **Baby Pod II** provides a simple, safe and cost effective solution to infant transport needs.

Patient safety within the **BABYPOD II**

The Baby Pod II is designed with the safety of the infant in mind

The hi-tech carbon-fibre construction of the **Baby Pod II** has undergone crash testing to comply with 10g European Ambulance Standard (CEN 1789) requirements.

The **Baby Pod II** has been tested with an acceleration of 10g in all directions representing a crash at 55 kilometers per hour (30 mph). It is the only transport incubator, world-wide, which has been tested and approved according **CEN 1789**.

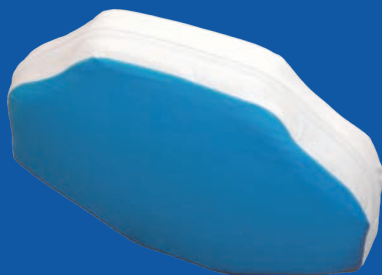
Inside the **Baby Pod II**, the infant is comfortably secured in position by a vacuum mattress and soft infant positioning straps. The vacuum mattress is moulded around the patient then the air is removed with the aid of a vacuum pump to hold the mattress in shape. This provides a soft, yet rigid support for the infant during transit.

The **Baby Pod II** can be secured to any stretcher or trolley with its versatile strapping system. Two straps are located on each side, and one at the foot end of the pod. Quick release buckles allow for easy mounting and removal.

Baby Pod II is designed to safely and comfortably transport a paediatric patient.



Shock Absorbent Foam Interior

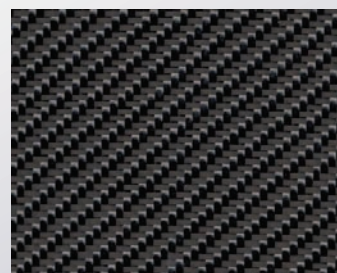
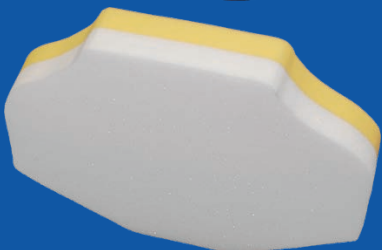


The interior of the **Baby Pod II** is a fully removeable set of Shock Absorbent foam sections.

Each section is a sandwich of two types of foam. A soft 'Memory' foam, facing towards the patient, for patient comfort. And a 'Shock Absorbent' foam side, for patient safety, absorbing any bumps or knocks that may occur during transportation.

Each foam section has a cover that is impervious to bacteria, impermeable to blood, secretions, IV solution, urine and also water vapour.

The covers are fully removeable and can be wiped clean, and even machine washed and dried!



The **Carbon Fiber** construction of the **Baby Pod II** results in a transport device lighter, and stronger, than any other existing worldwide.

The **Baby Pod II** weighs less than **10kg (22lbs)**, can be carried by a single person, yet can withstand a **10g** crash (equivalent to 30mph/55kph).

Ventilation and warmth within the **BABYPOD II**



TransWarmer® Infant Transport Mattress

Thanks to the **TransWarmer® Infant Transport Mattress**, no electrically powered source of warmth is required to use the **Baby Pod II** for transport!

Heated by a single-use exothermic reaction within a non-toxic gel, the **TransWarmer® Infant Transport Mattress** will keep an infant warm during transport in the pod. 60 seconds after activation, the **TransWarmer® Mattress** will reach a consistent temperature across its surface of 38°C (100°F), and maintain temperature for up to 2 hours.

Even outside of the **Baby Pod II**, the **TransWarmer® Mattress** can be a valuable source of warmth elsewhere in the NICU/PICU, or anywhere that newborns can experience cold stress.

Ventilator and Additional Equipment Fixings

The **Baby Pod II** is designed to be a flexible transport solution. Additional components can easily be mounted to the unit itself, or to the trolley or stretcher on which the **Baby Pod II** is secured for transfer.

Optional brackets to mount syringe drivers, pumps and ventilators are available. This additional equipment can be mounted on the head or foot end of the pod with access through specific slots in the lid. A flexible, multi-directional, holder inside the **Baby Pod II**, helps keep the tubing for this additional equipment in place within the pod environment.





Patient Visibility and Access

The **Baby Pod II** has a transparent lid allowing excellent visibility of the infant. The lid is securely closed at both the 'Head' and the 'Foot' end of the **Baby Pod II** with an easy access turn knob. Once released, the lid opens fully to allow the patient to be placed into or removed from the unit, or attended to when necessary.

Direct access to the infant is allowed by any of 4 access ports—two on either side of the lid. Access for ventilator, syringe tubing or wires is provided through fixed openings in the lid—two on each end.



Baby Pod II...



in the hospital



on the road



and in the air

Additional Accessories

Transwarmer Mattress (Box of 6)	TRANS06
Infant Positioning Strap Set	BPOD2-003
Vacuum Mattress Pump	BPOD2-020
'BabyPac' Ventilator Mounting Bracket	BPOD2-010



TransWarmer®
Infant Transport Mattress

Technical Information

Infant Weight Limit

2-8kg (4.4-17.6lbs)

Dimensions

1000mm x 430mm x 300mm (L x W x H)

Weight

9.5 Kg (21Lbs)

Materials

Carbon/Composite

Standard Compliance

CEN 1789

BS EN ISO 9001/2000

BS EN ISO 9001/1994

For more information on our products, visit our website at:

www.babypod.com

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