

Introducing the **BABYPOD** Infant Transport Device

Transporting newborn infants requires an environment that will keep them warm, safe and secure, and until now the only way to guarantee a warm environment for the baby has been to use a heavy, cumbersome and physically large transport incubator, at a great cost.

These expensive devices require an electricity supply to function, are not always readily available, and most require dedicated vehicles.

Using the same technology, materials and design features that protect Formula 1 racing car drivers from injury during a crash, the revolutionary **Baby Pod** range provides the security and warmth that a newborn needs, at a fraction of the cost of a standard transport incubator, in a package that is light, easy to handle, and can attach to any transport stretcher currently available.

Our original flagship product, the **Baby Pod II Infant Transport Device**, was developed to fill a requirement for a safety-focused, easily manageable solution for inter/intra-hospital transport of neonates, and provide a lightweight and cost-effective solution for when a full transport incubator is not required.

In 2017, we launch a new evolution of the **Baby Pod**, incorporating over a decade of user feedback and advances in design and material technologies, to provide an even lighter, even stronger and safer way to transport small infants and newborns.

Significant key features of the **Baby Pod 20** are an even lighter, thinner carbon monocoque shell, making this more lightweight unit even easier to handle than ever before.

The necessity of the user to have unimpeded access to the patient, even in a very space-restricted area such as the interior of an aircraft, has led to the introduction of a sliding lid-canopy. The entire front section of the **Baby Pod 20** canopy slides over the rear section, giving full and free access to the head and upper body of the patient. The lid can then further retract over the rear of the Pod, giving access to the entire interior, and to the whole body of the patient.

A new strapping system, with higher-tensile webbing and metal buckles, means that the **Baby Pod 20** stays secured to the transporting stretcher under up to **9kn** of force, far exceeding current European Ambulance requirements (**CEN 1789**) and with the intention to satisfy ever increasing air transport regulations. The new strap affixation method also keeps the entirety of the webbing material external to the **Pod** interior, requiring no need to disinfect the webbing between uses, making cleaning quicker and easier.

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

Patient safety within the

The Baby Pod 20 is designed with the safety of the infant in mind

The hi-tech carbon-fibre construction of the **Baby Pod 20** has been engineered to exceed 10g European Ambulance Standard (CEN 1789) requirements.

Inside the **Baby Pod 20**, 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 cocoon of support for the infant during transit.

The **Baby Pod 20** 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 20 is designed to safely and comfortably transport a paediatric patient.



Shock absorbent foam interior

The interior of the **Baby Pod 20** 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 20** results in a transport device lighter, and stronger, than any other existing worldwide.

The **Baby Pod 20** weighs just over 9kg unladen, and can be carried by a single person.

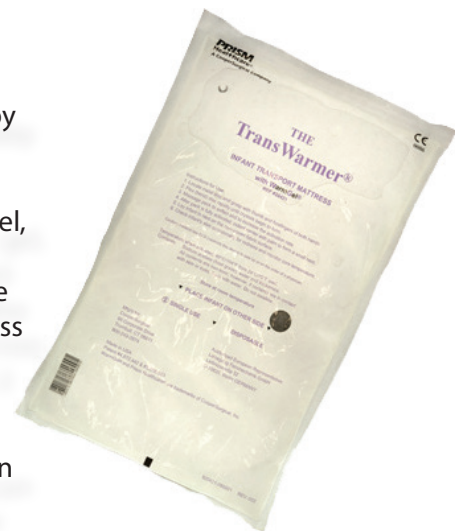
Warmth within the **BABYPOD**

TransWarmer® Infant Transport Matress

Thanks to the **TransWarmer® Infant Transport Matress**, no electrically powered source of warmth is required to use the Baby Pod 20 for transport.

Heated by a single-use exothermic reaction within a non-toxic gel, the **TransWarmer® Infant Transport Matress** will keep an infant warm during transport in the pod. 60 seconds after activation, the **TransWarmer® Matress** 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 20**, the **TransWarmer® Matress** can be a valuable source of warmth elsewhere in the NICU/PICU, or anywhere that newborns can experience cold stress.



Patient Visibility and Access

The **Baby Pod 20** has a transparent lid allowing excellent visibility of the infant both during transport and in hospital. The curved nature providing a clear view from multiple viewing angles.

The revolutionary lid mechanism on the **Baby Pod 20** sees the entire lid slide and lift over the rear of the **Pod**, revealing the entire patient compartment.

Direct access to the infants feet during transport is provided by a sliding access port in the rear section of the viewing lid. Access for ventilator, syringe tubing or wires is provided through fixed openings between the lid and the outer shell, two at the rear of the **Pod**, and two at the front.

For more comprehensive access, the entire front section of the viewing lid has been designed to slide backward over the rear section, giving good access to the patient's head and upper body.



Compliance:

BS EN 1789:2007 European Ambulance Specifications

ISO 9001:2000 Quality Management

ISO 13485:2016 Design + Manufacturing of Medical Devices

Manufactured in Europe by:

AHT

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