



AeroPod[®] – Redefining Safe Patient Transfer



Developed from real-world frontline experience during the COVID-19 pandemic, AeroPod[®] represents the next generation of patient isolation and transport. Created by BBL Protect, its design is rooted in protecting healthcare teams, patients, and environments from cross-contamination risks in the most demanding conditions.

AeroPod is a Personal Isolation Device that combines medical and aviation compliance with practical usability. Whether used in hospitals, road ambulances, helicopters, or fixed-wing aircraft, it delivers seamless protection during both emergency responses and planned transfers.



Engineered to be lightweight yet robust, AeroPod integrates:

- Advanced airflow technology with positive or negative pressure modes, ensuring more than 15 complete air exchanges per hour.
- Secure aviation-standard harnessing for patient safety on any stretcher.
- Rapid assembly for quick deployment in critical situations. Recognised as a Class I Medical Device under UK MDD and meeting full aviation compliance standards, AeroPod gives organisations the confidence to transport patients safely, effectively, and in line with international regulations.

AeroPod[®] isn't just a device — it's a step forward in ensuring safer patient care, wherever the journey leads or starts.

AeroPod[®] – Versatility in Patient Protection and Transfer
The AeroPod[®] range has been engineered to deliver safe, adaptable, and compliant patient isolation solutions across a wide variety of care settings — from frontline emergency response and hospital wards to advanced imaging suites and international air transport. Each model has been purpose-designed to meet specific clinical and logistical needs, ensuring that patients, staff, and environments are protected in every scenario.

- AP 1
Simple, lightweight, non-gas-tight structures with clear covers. These systems provide rapid protection against aerosol spray, dust, dirt, and weather. Ideal for roadside use, field hospitals, or as a protective shield in wards.
- AP 10
An aviation-specific, gas-tight Personal Isolation Device. Registered as a Class 1 Medical Device, it meets stringent aviation standards (CS25.853, including FR requirements). Equipped with its own independent respirator, AP 10 enables safe air transfer of infectious or contaminated patients.
- AP 15
A gas-tight isolation unit designed for surface transfer and ground transportation of patients. With its independent respirator, AP 15 provides a high level of containment during hospital-to-hospital movements or ambulance transfers.

One Range, Many Applications

From rapid-deploy covers for frontline use to advanced aviation-ready isolation devices, the AeroPod[®] family demonstrates unmatched versatility.

Whether safeguarding patients in critical care transfers, diagnostic imaging, or international repatriation, AeroPod[®] offers a complete solution for safe, compliant, and practical patient isolation.



Accessories & Consumables

Essential Support for Every AeroPod[®] Deployment
To maximise safety, performance, and ease of use, the AeroPod[®] system is supported by a comprehensive range of accessories and consumables. Each item is designed to integrate seamlessly with the Personal Isolation Device (PID), ensuring clinical teams have the tools they need to provide safe, efficient, and compliant patient care.

All accessories and consumables are available for shore delivery within 24 hours, guaranteeing fast replenishment when and where you need it.

- Knee Support Cushion
Provides support under the legs of taller patients, reducing body length to improve fit inside the PID and assisting in stabilising blood pressure.
- Transfer Bag
Functions as an airlock system, allowing the safe transfer of medicines, medical equipment, food, and water into the PID without compromising isolation.
- Connector Cones
Creates a sealed interface between the PID and medical lines or monitoring equipment, including oxygen and IV access, ensuring safe and reliable connectivity.
- Filters
Passive PTFE HEPA filters, 99.99% effective, maintaining air purity and patient safety.

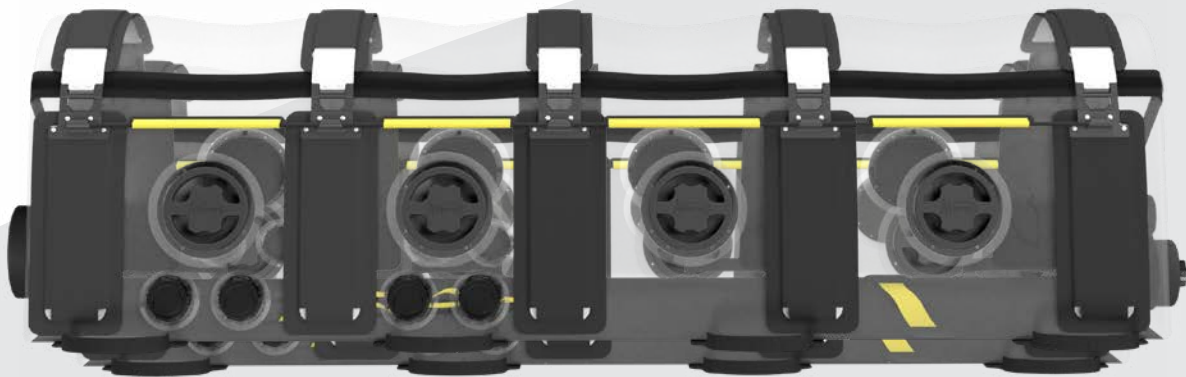
- ABEK particulate filters 99.97% HEPA Filters
- O Rings
High-integrity sealing rings designed to maintain airtight connections across AeroPod components.
- Inline Filters
Specialised filters for use with oxygen lines, fitted directly into connector ports for added safety.
- Dirty Pod Bag
Large hazardous waste bag for the safe transport and disposal of contaminated AeroPods after use.

Spare Parts – Peace of Mind, Always Available

Should the unexpected occur, a full inventory of critical spare parts is also kept in stock and available on shore. From replacement seals and harnesses to structural components, AeroPod operators can be assured of fast access to the parts they need to keep their systems operational with minimal downtime.

Reliable. Compatible. Always Available

With consumables engineered specifically for AeroPod[®], healthcare teams can be confident that every transfer is supported by the right accessories — ready to deploy, backed by rapid 24-hour delivery.





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RESPIRATOR TECHNICAL DATA

- System Type: CleanAir 2F Ex Air Purifying Respirator (APR)
- Airflow Capacity: Adjustable between 160 to 235 litres per minute
- Air Exchanges: Provides more than 15 full air exchanges per hour inside the Pod
- Filtration: Dual HEPA filters (P3 particle filter), 99.99% effective
- Compliance / Testing:
 - Tested according to EN 12941 (TH2/TH3) and EN 12942 (TM2/TM3)
 - Rated to IP65 (dust- and water-resistant)
- Battery: Rechargeable Li-ion 14.4V, 2.6Ah
- Operating Time: Up to 10 hours continuous use
- Charging Time: Approx. 3 hours to full charge
- Display: Full colour LCD showing:
 - Flow rate resistance
 - Remaining battery capacity (%)
- Alarms: Audible/visual alerts for:
 - High resistance (blocked filters)
 - Low output/airflow
 - Low battery

BBL Protect

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