



Vacuum mattress for patient immobilization h1046_08

h1046_08 PVC vacuum mattress for patient immobilization. Compliant with EU Regulation 2017/745, compatible with stretchers.

The **vacuum mattress for patient immobilization h1046_08** is a Class I medical device developed for the immobilization of the injured in emergency and first aid contexts. Developed for **healthcare professionals, mountain rescue teams, ambulance personnel, firefighters, and helicopter rescue technicians**, this device addresses the critical need to stabilize traumatized patients during transport. The system solves the operational problem of **maintaining perfect locking of the body and spine even in a vertical position, while eliminating the need to move the injured person to perform clinical examinations thanks to the total absence of interference with X-rays or magnetic resonance imaging (MRI)**.

Manufactured entirely in Italy with a double layer of high-tenacity PVC and tested for 24 hours under vacuum before leaving the factory, the mattress features a more hollowed head-side shaping to adapt to the patient's anatomy, handles connected beneath the structure to avoid direct stress on the loops, and an extreme operational temperature range. It comes complete with a manual aluminum vacuum pump and a Cordura® transport bag and is fully compliant with the standards set by EU Regulation 2017/745. Geometric and classification details are specified in the table of the file image_4a82a5.png.

Technical characteristics

- **Medical Device (MD):** Class I
- **Compliance standard:** EU REGULATION 2017/745
- **Mattress material:** double-layer high-resistance PVC
- **External PVC properties:** tested according to UNI4818-16 for solvent resistance and according to EN-ISO811 for impermeability
- **Flame retardancy:** tested according to UNI 9177 class 2
- **Structural mass (Weight):** 4.9 kg
- **Overall length:** 181 cm
- **Overall width:** 70 cm
- **Available coloring:** orange / black
- **Maximum recommended load:** 150 kg
- **Operating temperature limits:** between +60 °C and -20 °C
- **Anatomical geometry:** more hollowed head-side shaping to adapt to the patient's head
- **Vacuum management:** lateral depression valve positioned to optimize use
- **Anchors and reinforcements:** loops for fixing straps and handles equipped with extra support tape
- **Handle configuration:** transport handles joined together under the structure to avoid direct load on the loops
- **Handle and strap material:** 40 mm polypropylene webbing
- **Transport bag material:** Cordura® 1000 Nylon with 10 mm zipper

- **Standard equipment included:** manual aluminum vacuum pump, transport bag
- **Production quality control:** all products are tested for 24 hours under vacuum before leaving the factory
- **Product origin:** entirely made in Italy

** Images are purely indicative*

INFORMATION

